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THE Association was organized in Boston, Mass., on June 21, 1882, with the object of providing its members with means of social intercourse and for the exchange of knowledge pertaining to the construction and management of water works. From an original membership of only TWENTY-SEVEN, its growth has prospered until now it includes the names of 800 men. Its membership is divided into six classes, viz.:

A Member shall be an officer or employee of a public or private water works, an engineer, chemist or other person qualified to aid or interested in the advancement of knowledge relative to water works.

An Honorary Member shall be a person of acknowledged eminence in some branch of water supply or of engineering.

A Junior shall be not less than eighteen years nor more than twenty-five years of age, a student or connected with water supply work.

An Associate shall be either a person, firm or corporation engaged in manufacturing or furnishing materials or supplies for the construction or maintenance of water works.

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The initiation fees and annual dues are as follows:

	Initiation Fees		*Annual Dues*
Members	$ 3.00	Members	$ 6.00
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This Association has at least eight regular meetings each year, of which five are held in Boston, one in northern New England, one in southern New England, and one, the annual convention, held in September on such date as the Executive Committee may designate.

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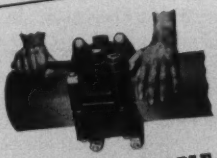

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In the present paper, a somewhat different form of presentation was thought necessary, because of the mounting volume of information. The maximum and minimum monthly and yearly rainfalls and their year of occurrence are given for each station prior to 1929. In order to have the complete record of any gage it is necessary to have at hand a copy of Goodnough's last paper (Vol. 44, No. 2, June 1930). Many complete station records through the year 1930 are to be found also in "Climatic Summary of the United States," Sections 84, 85 and 86 published by the United States Weather Bureau. Except for comparatively new stations or an occasional revised record, the period of record in the present paper is 1929 to 1941 inclusive and monthly and annual averages are given for this period for each station through the year 1938.

Previous to 1883, the collection of rainfall records was, in many cases, a part of the duties of various governmental agencies situated at widely separated locations reporting in general to the U. S. Signal Service. There were also some private and voluntary coöperative stations. With the founding of the New England Meteorological Society of Boston in 1883, many new stations were established in New England, and valuable monthly reports were published. The Society's observers were generally voluntary observers and were left free to use any approved gage at their disposal. There was no standard method of recording. Some observers, for example, measured the snow depth in inches, and their observations were later converted to inches of water in the Society's headquarters by assuming that ten inches of snow equal one inch of water. In March 1890, the work of the Society was taken over by the New England Weather Service of the U. S. Weather Bureau in the Department of Agriculture, and this body, for several years, maintained the Society's practices of rainfall recording. Gradually the stations, perhaps because of their voluntary nature and because of lack of inspection and interest, reached a low level of efficiency, as the author found when, in 1912, he was assigned to inspect every rainfall station in Massachusetts. A few coöperative stations in each of the other New Engand States were also visited and similar conditions were found to obtain there. It was discovered that there were large areas within the State of Massachusetts including watersheds of great importance to water supplies that had no rainfall records, and a plan was worked out whereby the State Department

of Public Health undertook to place at least one rain gage on the watershed of nearly every stream with a catchment area of 25 square miles or more. Some of these gages have been in operation long enough to cover a period of 28 years and a total of 108 stations in Massachusetts now equal or exceed this length of record. This figure compares with 45 stations that had records of 25 or more years in 1913.

None of the other New Engand States show a similar increase in rainfall stations since 1913, and they added but few gages until the Hurricane-Flood of September 1938. Following this disaster, a separate branch of the U. S. Weather Bureau, known as the Hydrologic Unit, was established, and many recording rain gages were installed under its care. The monthly reports of this agency, which begin with January, 1940, now give the daily precipitation at 228 selected stations in New England and the hourly precipitation at 86 recording stations, many of which are at new locations.

There are two matters that should be adjusted for the betterment of rainfall records. The first is the designation of rainfall stations, particularly where more than one is situated in a township or city. This can best be done by designating each gage location by a number such as "Worcester 3". This was the practice of the New England Meteorological Society and is most helpful in identifying the old records. The second matter is one that is a source of unnecessary trouble, namely the varying times of observation and methods of recording. The instructions of the Massachusetts Department of Public Health to observers require that measurements be made at 8:00 a.m. and that the amount measured be recorded as of the preceding day. Many other stations follow this plan, but that there is room for improvement is shown in the following summary of the various times of observation, taken from the report of the Hydrologic Unit for June 1941:

State	Number of Daily and Monthly Station Records Published	Number of Different Times of Observation
Maine	20	12
New Hampshire	48	9
Vermont	47	6
Massachusetts	54	9
Rhode Island	5	2
Connecticut	61	8

All engineers will readily see the unnecessary confusion that this situation creates, particularly when daily rainfalls are being considered. There is the further uncertainty as to the date of record, whether the amount measured applies to the date of measurement, the following day, or the preceding day. The method of recording laid down definitely by the Department of Public Health may not be the best, but it was recognized back in 1913 that a uniform time of measurement and method of recording was desirable for better rainfall records.

Careful revision has been made in this paper of the following records: the Haverhill, Mass., City Hall and Kenoza Lake records; the Rochester, Mass., Little Quittacus record; and the Winchester, Mass., record. New tables of these records are presented herewith.

Tables of precipitation have been prepared for the following river watersheds; The Charles River; the Deerfield River above Charlemont; the Hoosatonic River in Massachusetts; the Ipswich River; the Millers River; the Nashua River (South Branch); the Sudbury River; the Swift River; and the Ware River. These tables are included in the present paper.

Rainfall Records for Massachusetts

ACUSHNET, MASS. Elevation, 50 feet.

Record January 1878 to December 1941

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	11.93	8.13	9.11	9.60	8.27	8.92	11.79	10.27	10.35	10.66	11.47	9.71	65.92
Year	1915	1893	1903	1904	1901	1881	1916	1927	1888	1890	1888	1901	1888
Min.	1.30	0.69	0.06	1.07	1.06	0.10	0.35	0.70	0.81	0.16	0.14	1.27	34.21
Year	1922	1895	1915	1896	1911	1912	1909	1883	1897	1924	1917	1892	1918
1929	3.25	3.82	3.99	4.53	7.60	3.15	1.26	2.26	5.84	3.88	2.87	3.17	45.62
1930	4.09	4.25	2.31	1.35	3.09	3.60	2.64	1.56	0.94	4.62	4.77	3.07	36.29
1931	4.15	2.78	7.11	3.47	5.99	6.73	3.90	6.28	1.61	3.78	0.99	4.08	50.87
1932	6.97	2.81	5.93	1.56	2.06	2.29	2.28	5.02	6.53	6.58	7.93	2.68	52.64
1933	3.27	4.91	7.34	8.37	2.35	1.54	2.62	3.49	11.27	4.11	3.68	4.11	57.06
1934	3.77	4.16	4.88	4.19	3.39	4.62	0.76	2.74	2.43	4.64	3.47	4.11	43.16
1935	6.86	3.51	2.33	5.74	2.12	4.34	3.14	1.22	4.86	2.26	6.98	2.08	45.44
1936	7.34	3.17	6.95	3.87	1.34	3.74	2.62	4.70	8.43	2.25	1.43	11.06	56.90
1937	4.60	1.77	4.00	6.33	3.00	3.87	0.55	3.48	5.01	4.31	5.83	4.89	47.64
1938	4.36	3.09	3.38	3.10	4.15	9.30	2.85	3.66	5.89	3.74	3.96	4.01	51.49
Av. 61 yrs.	4.33	3.98	4.58	4.01	3.67	3.27	3.25	3.92	3.63	4.11	4.10	4.38	47.23
1939	3.77	5.54	7.32	6.20	2.12	4.39	0.96	5.07	3.14	4.59	1.83	2.43	47.36
1940	2.71	7.26	4.86	8.15	4.29	1.69	4.54	1.37	4.50	2.21	7.22	2.86	51.66
1941	4.56	2.63	3.47	2.29	3.17	6.28	4.50	3.95	0.26	2.42	2.39	3.88	39.80

ADAMS, MASS. Elevation, 750 feet.
Record January 1926 to December 1941

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1926	1.59	3.12	2.87	3.32	1.28	3.43	3.51	3.37	2.42	5.12	4.36	1.86	37.25
1927	2.51	2.53	2.84	1.55	4.09	2.75	6.64	3.82	2.01	5.00	10.90	5.57	50.21
1928	3.32	3.24	1.56	4.68	4.03	5.66	6.95	7.07	2.42	1.10	1.54	1.87	43.44
1929	2.62	2.91	5.01	7.98	3.44	4.10	1.79	2.11	2.26	2.47	2.71	3.15	40.55
1930	1.99	1.49	5.00	1.45	3.76	2.84	4.98	2.24	2.13	1.73	3.02	1.05	31.68
1931	2.07	1.20	1.47	2.90	4.42	4.59	4.56	3.81	4.05	2.28	1.72	4.90	37.97
1932	7.34	2.46	2.88	3.80	2.83	1.85	4.23	3.68	2.42	3.73	5.79	1.67	42.68
1933	3.48	3.14	4.01	6.10	1.65	2.69	2.55	6.67	5.97	3.48	1.61	3.35	44.70
1934	3.31	1.26	2.59	5.53	3.70	7.41	4.53	3.10	6.41	2.24	4.50	4.45	49.03
1935	4.54	2.60	2.62	2.34	2.91	5.75	6.16	1.44	4.50	1.07	5.50	1.24	40.67
1936	5.25	1.69	8.41	4.07	3.44	1.60	2.08	6.64	2.05	3.65	2.52	5.11	46.51
1937	5.06	3.43	3.30	4.00	5.13	4.68	2.54	3.14	6.62	5.31	4.40	2.05	49.66
1938	3.76	2.19	2.17	3.25	4.35	5.78	7.92	2.78	8.32	1.82	2.84	3.66	48.84
Av. 13 yrs.	3.60	2.41	3.44	3.92	3.46	4.09	4.50	3.84	4.04	3.00	3.95	3.07	43.32
1939	2.10	2.60	3.23	6.14	1.56	3.94	2.30	3.85	3.43	4.68	1.90	2.53	38.26
1940	1.59	2.78	5.51	5.35	4.72	5.09	3.98	1.17	6.05	0.94	5.14	4.62	46.89
1941	1.79	1.86	1.58	0.90	3.98	4.82	6.48	2.10	3.56	3.78	2.06	5.22	38.13

AGAWAM, MASS. (Provin Mt. Reservoir). Elevation, 410 feet.
Record January 1914 to December 1941

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.41	6.12	6.19	7.38	6.78	7.85	9.58	9.43	8.78	7.95	7.63	6.78	58.61
Year	1923	1916	1922	1924	1919	1920	1922	1928	1920	1917	1927	1920	1920
Min.	1.52	2.00	0.17	1.75	1.82	1.47	1.81	0.96	0.31	0.11	0.91	1.83	33.44
Year	1916	1924	1915	1922	1915	1919	1918	1925	1914	1924	1917	1924	1924
1929	5.06	4.77	3.77	7.14	4.84	1.26	0.57	1.97	2.49	4.14	3.15	4.03	43.19
1930	2.30	1.63	4.34	1.99	4.69	6.72	6.15	1.70	1.51	1.92	4.10	2.54	39.59
1931	3.86	2.21	4.15	2.81	7.27	5.22	4.88	4.63	1.11	2.43	1.36	3.56	43.49
1932	4.90	2.54	3.76	1.72	1.89	7.09	5.24	3.34	3.40	5.99	7.55	1.66	49.08
1933	2.14	4.10	6.29	4.49	2.19	1.59	2.40	7.06	7.62	2.92	0.97	3.70	45.47
1934	4.27	4.71	4.49	4.52	4.89	5.17	3.10	4.60	11.87	2.65	3.93	3.44	57.64
1935	5.06	3.08	2.09	1.80	2.44	5.23	4.03	0.91	4.68	0.66	3.67	1.12	34.77
1936	6.49	2.77	7.92	4.30	2.92	2.99	1.50	4.27	4.29	2.67	1.73	6.71	48.56
1937	5.28	2.33	3.45	4.60	4.14	6.15	2.46	4.75	3.64	5.00	6.09	2.90	50.79
1938	5.41	2.22	2.39	2.87	4.01	8.02	9.05	2.62	10.20	3.01	3.38	4.17	57.35
Av. 25 yrs.	3.81	3.50	3.75	3.67	3.63	4.34	4.46	3.92	4.05	3.12	3.83	3.58	45.66
1939	2.64	4.29	4.35	4.36	0.93	2.90	0.99	5.10	2.45	4.12	1.27	3.26	36.66
1940	3.45	3.42	4.95	5.57	6.32	3.64	2.14	1.85	3.06	1.34	6.37	2.63	44.74
1941	2.23	3.12	2.30	1.07	2.58	4.18	5.49	3.71	0.87	1.69	3.51	4.11	34.86

AMHERST, MASS. Elevation, 220 feet.
Record January 1836 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.75	8.12	7.14	8.33	8.72	11.69	14.51	12.13	11.85	11.36	8.64	7.77	58.04
Year	1891	1900	1876	1854	1850	1862	1897	1856	1882	1869	1927	1901	1888
Min.	0.99	0.36	0.12	0.57	0.48	0.76	0.96	0.25	0.37	0.01	0.63	0.87	30.68
Year	1849	1877	1915	1844	1903	1908	1864	1882	1865	1924	1917	1896	1908
1929	4.33	3.92	3.20	6.89	4.17	3.06	0.70	1.54	3.62	2.75	2.73	4.05	40.96
1930	2.57	1.39	3.95	1.41	3.34	4.47	4.50	1.82	2.08	2.24	3.42	1.63	32.80
1931	3.58	1.80	3.79	2.95	7.44	4.24	3.87	6.57	2.50	3.06	1.55	3.83	45.18
1932	3.67	2.70	4.24	2.33	1.67	2.62	3.83	2.67	3.96	3.69	6.05	1.99	39.42
1933	2.44	3.58	4.79	5.03	1.69	3.68	2.25	6.63	12.34	3.90	1.19	2.81	50.33
1934	3.50	2.82	3.60	4.44	3.42	4.67	1.73	3.02	9.54	2.35	3.46	2.99	45.54
1935	4.96	2.50	1.48	2.54	2.17	5.50	3.10	0.82	4.67	0.88	4.41	1.05	34.08
1936	6.47	2.64	7.04	4.07	1.76	3.28	1.45	4.85	3.80	4.80	2.02	5.96	48.14
1937	5.38	2.23	3.38	4.03	6.09	5.72	2.88	4.91	3.24	4.33	4.26	2.44	49.49
1938	6.60	1.77	2.00	3.07	3.81	8.45	7.45	2.04	14.55	2.49	2.82	3.95	59.00
Av. 103 yrs.	3.45	3.18	3.56	3.27	3.74	3.75	4.27	4.24	3.83	3.59	3.64	3.49	44.01
1939	2.21	3.62	4.49	4.56	2.15	3.21	2.30	3.89	2.97	4.55	0.98	3.89	38.82
1940	2.63	2.72	5.58	6.37	5.67	2.46	4.69	1.56	1.53	1.04	6.31	3.01	43.57
1941	2.21	1.59	1.63	0.55	2.87	6.13	4.04	1.79	2.88	2.13	4.29	3.82	33.93

In summaries of this record published by the Mass. Agricultural College there are a few months with slightly different totals than in this compilation, but these differences are not enough to affect the averages.

ANDOVER, MASS. Elevation, 250 feet.
Record January 1782 to December 1786—January 1793 to December 1803 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.5	5.4	5.6	7.1	7.2	5.2	10.9	7.3	9.2	10.7	11.7	7.2	62.5
Year	1784	1783	1798	1784	1786	1785	1803	1784	1785	1783	1784	1784	1785
Min.	1.5	1.5	1.7	0.4	1.0	1.7	2.1	1.1	0.2	2.0	1.8	2.0	40.2
Year	1800	1782	1783	1783	1793	1803	1798	1785	1782	1786	1786	1798	1793
Av. 9 yrs.	3.3	3.5	3.6	3.9	4.4	3.0	4.9	3.7	3.2	6.2	5.0	4.3	49.0

ASHBY, MASS. (Watatic Pond). Elevation, 1,000 feet.
Record January 1915 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.64	4.55	5.62	8.48	6.82	9.92	10.81	7.62	7.15	6.79	8.06	7.32	53.61
Year	1923	1916	1919	1921	1919	1922	1915	1915	1920	1917	1927	1920	1920
Min.	1.11	1.47	0.06	1.33	1.82	1.39	2.06	1.57	1.44	T	1.93	1.77	33.76
Year	1916	1923	1915	1927	1923	1919	1918	1926	1915	1924	1917	1919	1918
1929	1.85	4.87	3.63	6.14	4.91	4.12	2.60	1.97	1.86	3.37	3.00	2.97	41.29
1930	2.36	2.67	5.32	3.08	4.81	4.11	5.55	2.03	2.28	3.66	4.29	1.68	41.84
1931	2.74	2.46	5.20	3.68	5.24	7.63	1.60	5.89	3.06	3.68	1.83	4.42	47.43
1932	5.16	2.10	4.29	2.80	1.72	1.88	4.76	3.88	7.52	10.37	5.90	1.37	51.75
1933	2.80	2.41	6.49	6.91	2.14	1.54	2.56	7.09	9.00	4.62	1.59	3.64	50.79
1934	4.14	3.49	4.16	5.51	3.66	6.61	3.52	2.19	11.30	2.63	4.02	3.67	54.90
1935	6.84	2.97	2.12	3.19	2.49	8.09	3.33	2.01	6.44	0.85	4.90	1.75	44.98
1936	7.61	2.99	13.33	4.78	2.46	5.01	3.05	6.00	1.95	6.56	2.36	8.51	64.61
1937	6.05	2.49	3.26	5.90	4.80	6.17	2.41	3.94	3.33	4.94	10.88	3.91	58.08
1938	4.98	2.34	2.26	3.13	4.50	8.20	10.23	4.78	14.61	2.78	3.93	4.30	66.04
Av. 24 yrs.	3.56	2.85	3.78	4.13	3.70	4.79	4.22	3.99	4.75	3.68	4.57	3.57	47.59
1939	3.16	5.08	4.53	5.41	1.42	2.27	1.48	4.67	1.47	4.30	1.07	4.07	38.93
1940	3.10	4.67	4.61	6.20	7.06	2.86	4.02	3.53	3.29	1.16	7.35	4.06	51.91
1941	3.33	3.88	1.83	1.12	4.14	4.84	2.93	3.92	0.56	3.02	3.59	3.50	36.66

ASHLAND, MASS. (Ashland Reservoir). Elevation, 250 feet.
Record January 1890 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.76	9.12	7.74	8.99	6.72	8.05	7.51	8.63	8.70	10.76	7.67	10.30	57.53
Year	1923	1900	1890	1904	1901	1903	1915	1927	1918	1890	1895	1901	1901
Min.	1.54	1.34	0.06	0.81	0.67	0.49	1.06	1.03	0.86	0.12	0.90	1.11	35.33
Year	1916	1895	1915	1892	1903	1912	1917	1925	1914	1924	1908	1892	1924
1929	3.87	3.82	2.97	7.03	3.58	2.11	0.95	1.79	2.35	2.82	2.97	3.96	38.22
1930	2.57	2.54	3.93	1.99	2.72	1.62	4.25	1.60	0.68	4.43	4.27	2.41	33.01
1931	3.63	2.44	5.52	2.99	3.83	8.30	1.76	4.29	1.26	2.20	0.91	3.15	40.28
1932	4.79	2.23	5.30	2.23	1.48	2.99	1.85	5.84	10.02	6.19	5.19	2.02	50.13
1933	2.31	4.12	6.97	5.57	2.50	1.81	2.40	3.46	9.96	3.00	1.17	3.93	47.20
1934	3.71	4.40	4.52	3.47	3.45	4.56	3.21	2.13	8.54	3.38	2.56	2.80	46.73
1935	7.51	3.32	1.74	4.73	2.56	4.96	2.13	2.31	4.08	0.58	4.60	1.01	39.53
1936	8.05	4.33	9.29	3.12	2.63	2.04	1.14	4.94	6.04	1.68	1.65	8.53	53.44
1937	4.52	2.32	3.54	4.59	3.37	4.69	1.26	3.93	3.08	3.16	5.97	3.89	44.32
1938	4.54	2.32	2.68	3.08	4.38	7.73	13.05	4.16	8.64	1.99	2.95	3.44	58.96
Av. 49 yrs.	3.96	3.83	4.21	3.70	3.18	3.39	3.52	3.62	3.91	3.31	3.52	3.78	43.93
1939	2.39	4.22	4.45	4.53	1.57	3.47	3.20	4.59	1.84	5.04	1.01	3.20	39.51
1940	2.37	5.82	3.83	5.54	4.29	2.20	4.15	1.61	3.73	1.28	7.01	2.71	44.54
1941	3.67	2.30	2.43	1.27	2.39	4.61	4.68	2.68	0.41	1.63	2.68	3.32	32.07

ATHOL, MASS. (Water Works). Elevation, 1,000 feet.
Record January 1912 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	4.95	6.61	5.08	6.93	5.97	13.50	11.10	7.17	7.32	5.75	9.37	6.27	52.38
Year	1924	1913	1912	1921	1919	1922	1915	1928	1918	1926	1927	1920	1927
Min.	0.53	0.84	0.05	1.41	0.71	0.91	1.59	2.00	0.44	0.04	1.08	0.60	31.45
Year	1918	1919	1915	1917	1913	1919	1920	1912	1914	1924	1917	1919	1918
1929	4.81	3.54	3.97	6.90	4.02	5.99	1.41	1.51	2.00	2.07	2.79	3.68	42.69
1930	2.79	1.72	4.04	1.27	2.70	3.77	5.50	1.57	2.68	2.68	3.15	1.68	33.55
1931	2.98	2.29	4.79	2.91	5.54	4.06	2.49	6.00	2.93	3.64	1.70	4.06	43.39
1932	4.79	2.58	5.90	2.12	2.04	1.73	5.97	3.65	5.84	5.35	4.37	1.91	46.25
1933	2.64	3.87	5.80	5.76	2.33	2.20	3.62	7.52	9.62	5.27	1.69	3.97	54.29
1934	3.58	2.69	3.34	3.73	3.59	5.49	3.60	2.95	8.35	2.83	3.95	4.63	48.73
1935	5.47	3.13	1.73	3.38	2.96	5.49	3.26	1.42	4.55	1.30	4.40	1.04	38.13
1936	6.94	3.43	8.91	4.21	2.83	3.32	2.53	6.83	4.02	3.04	2.08	6.05	54.20
1937	5.57	1.99	3.66	4.05	4.71	9.28	4.59	5.67	4.47	4.21	5.73	2.26	56.19
1938	5.51	1.69	2.09	3.03	3.41	8.08	7.81	4.44	15.86	2.21	3.03	3.46	60.62
Av. 27 yrs.	3.31	2.56	3.29	3.59	3.15	4.35	4.32	3.90	4.38	2.94	3.41	3.22	42.42
1939	2.79	3.50	3.53	4.25	1.77	2.56	2.02	2.94	2.32	4.13	0.86	3.45	34.12
1940	1.85	2.47	4.87	5.77	5.60	3.02	3.34	1.72	2.61	1.30	6.50	3.15	42.20
1941	2.31	1.74	1.37	0.84	2.40	4.31	4.30	3.60	0.93	2.14	3.07	2.90	29.91

ATHOL, MASS. (Fryville). Elevation, 620 feet.
Record July 1921 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.07	3.78	5.76	6.10	4.54	12.60	7.91	9.24	6.15	5.00	8.83	5.67	50.23
Year	1923	1926	1922	1924	1927	1922	1928	1928	1924	1927	1927	1927	1922
Min.	1.79	1.93	1.27	1.52	1.32	1.50	2.35	1.71	1.48	0.02	1.84	1.26	35.05
Year	1922	1923	1924	1927	1926	1924	1924	1925	1926	1924	1922	1928	1924
1929	4.22	3.12	3.13	6.22	4.49	6.10	1.06	1.65	1.75	1.86	2.34	3.46	39.40
1930	2.19	1.61	3.81	1.27	2.74	3.32	6.49	1.77	2.05	2.28	2.90	1.19	31.62
1931	2.62	1.74	3.45	3.21	5.63	4.21	2.04	4.51	2.40	5.32	1.39	3.86	40.38
1932	4.24	2.37	4.35	2.17	2.23	1.81	4.26	3.58	4.98	4.37	4.21	1.64	40.21
1933	2.72	3.43	4.83	6.54	1.55	1.82	3.14	7.79	6.96	4.41	1.67	3.46	48.32
1934	2.98	2.65	3.40	3.85	3.71	4.71	3.42	2.78	7.66	2.71	3.53	3.24	44.64
1935	4.73	2.75	1.58	3.28	2.65	4.81	4.45	1.37	5.10	1.02	3.56	0.94	36.24
1936	6.69	2.47	8.14	3.78	1.83	3.67	2.79	5.91	2.92	3.22	1.75	6.38	49.55
1937	5.58	1.80	3.40	4.12	4.37	7.51	3.19	6.30	4.93	4.42	5.35	2.33	53.30
1938	4.55	1.89	2.16	3.23	3.69	8.25	9.23	2.98	14.85	1.82	2.98	3.60	59.23
Av. 17 yrs.	3.71	2.60	3.53	3.68	3.13	4.85	4.54	3.96	4.50	3.14	3.59	3.06	44.29
1939	2.73	2.86	3.36	4.36	1.14	2.33	2.36	4.54	1.94	3.63	0.75	3.25	33.25
1940	1.79	3.49	4.83	5.47	5.33	3.92	3.66	2.49	2.13	1.18	5.77	3.06	43.12
1941	2.34	1.75	1.39	0.80	1.97	3.94	6.57	3.64	1.00	2.25	3.00	2.95	31.60

ATTLEBORO, MASS. (Water Works). Elevation, 100 feet.
Record January 1896 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.02	8.99	8.44	9.80	7.19	9.16	9.34	11.16	10.21	7.57	7.31	8.21	57.71
Year	1915	1900	1901	1904	1901	1922	1915	1927	1899	1898	1921	1901	1898
Min.	1.36	0.76	0.07	0.98	0.36	0.30	0.87	1.17	0.68	0.12	0.62	1.11	34.55
Year	1922	1901	1915	1896	1903	1914	1917	1907	1914	1924	1917	1896	1914
1929	4.45	3.25	4.33	7.49	3.46	1.82	1.30	1.11	4.68	2.44	2.99	4.51	41.83
1930	3.24	2.56	3.40	1.97	3.57	2.87	2.94	1.61	0.43	4.58	4.08	2.23	33.48
1931	3.39	2.28	4.72	3.15	5.53	7.99	4.44	7.15	1.47	2.74	0.97	2.93	46.76
1932	4.96	1.73	6.17	1.73	1.57	1.90	2.84	6.28	7.72	5.82	4.85	1.52	47.09
1933	2.12	3.55	6.54	6.00	2.98	2.68	1.77	2.76	8.74	3.22	1.12	3.66	45.14
1934	3.89	3.30	4.25	4.06	3.62	3.88	1.56	3.07	4.60	3.20	4.00	3.36	42.79
1935	5.82	2.96	1.53	5.06	2.20	5.41	5.21	3.94	2.86	0.61	5.65	0.80	42.05
1936	7.07	3.81	7.26	4.16	1.97	2.60	4.21	3.09	6.96	2.14	1.12	9.96	54.35
1937	4.38	1.94	3.92	5.41	3.51	4.41	1.16	6.93	4.12	3.76	6.70	3.61	49.85
1938	3.92	1.91	1.41	1.40	4.38	8.50	9.59	2.19	5.99	3.15	3.61	2.98	49.03
Av. 38 yrs.	3.89	3.45	3.92	3.84	3.18	3.64	3.97	3.77	4.27	2.98	3.48	3.53	43.92
1939	2.45	4.39	4.64	4.97	1.35	3.22	0.54	6.26	2.57	5.24	1.16	3.04	39.83
1940	2.83	3.75	4.31	6.07	5.52	2.89	3.74	1.37	2.73	1.79	6.70	2.14	43.84
1941	3.03	1.96	2.14	1.65	2.21	3.79	4.44	2.82	0.34	1.47	2.66	2.95	29.46

BARNSTABLE, MASS. (Hyannis). Elevation, 31 feet.
Record January 1892 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	9.15	5.87	8.45	6.25	9.64	8.10	8.79	7.83	6.79	8.86	8.41	8.48	55.16
Year	1915	1899	1906	1904	1901	1916	1921	1919	1919	1908	1898	1901	1919
Min.	1.38	1.20	0.09	0.84	0.76	0.43	0.55	0.38	0.84	0.26	0.57	1.27	30.00
Year	1916	1901	1915	1896	1911	1894	1909	1928	1898	1924	1917	1899	1918
1929	2.60	3.85	4.83	7.45	2.87	0.01	1.01	7.13	6.13	3.10	3.23	3.74	45.95
1930	4.33	3.37	3.17	0.71	2.33	1.24	1.26	1.41	0.22	3.18	4.12	4.74	30.58
1931	4.13	3.56	6.82	3.16	4.35	7.40	4.16	2.49	1.85	5.23	0.85	3.52	47.52
1932	6.40	3.65	4.86	1.88	1.36	2.14	1.86	3.08	5.28	5.24	3.48	2.97	42.20
1933	3.68	4.17	6.88	6.96	2.48	2.68	2.53	3.94	13.22	6.90	2.47	4.32	60.23
1934	3.37	3.60	1.96	3.32	1.45	3.94	1.25	2.61	1.61	4.76	3.01	3.62	34.50
1935	5.02	3.39	2.13	2.34	1.51	6.17	5.57	1.35	5.98	2.75	4.40	1.37	42.28
1936	6.02	2.52	5.47	2.43	1.29	3.71	1.23	6.27	7.14	3.42	2.06	7.02	48.58
1937	4.33	1.80	3.50	4.50	2.00	3.50	1.21	5.30	4.13	4.49	3.57	3.06	41.39
1938	3.12	3.12	2.79	4.00	3.93	5.51	2.43	0.89	7.78	4.30	4.76	4.03	46.66
Av. 47 yrs.	4.01	3.54	4.30	3.61	3.31	3.19	2.95	3.51	3.37	3.60	3.60	3.92	42.91
1939	3.90	4.46	7.54	3.59	1.25	2.95	1.47	2.47	3.37	4.46	1.75	1.96	39.17
1940	2.03	6.51	3.46	6.86	3.71	2.50	4.48	0.39	5.18	2.66	5.19	4.05	47.02
1941	4.91	1.50	3.57	3.48	1.70	7.68	4.33	5.38	0.06	2.50	1.70	2.47	39.28

BARRE, MASS. Elevation, 930 feet.
Record August 1919 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.13	4.23	4.84	8.29	4.62	10.97	9.00	6.44	6.39	5.71	7.50	7.19	54.25
Year	1923	1920	1925	1921	1927	1922	1922	1928	1919	1923	1927	1927	1927
Min.	1.67	2.06	1.61	1.50	1.50	1.58	3.02	1.57	1.90	0.10	1.71	1.47	37.07
Year	1922	1923	1927	1926	1926	1924	1923	1925	1926	1924	1922	1928	1924
1929	4.75	3.00	3.65	6.05	4.69	3.13	0.72	2.20	2.99	2.41	2.82	3.33	39.74
1930	2.19	2.53	3.25	1.44	3.01	4.17	9.00	1.36	2.58	2.95	3.20	1.92	37.60
1931	2.30	2.46	4.59	2.44	5.64	3.70	4.60	7.35	2.40	3.24	1.07	3.81	43.60
1932	5.26	2.81	5.63	1.56	1.65	1.71	4.93	4.22	5.96	4.66	3.37	2.16	43.92
1933	2.72	4.30	5.95	6.28	2.14	1.66	2.87	5.28	10.91	7.09	1.53	3.79	54.32
1934	3.36	3.50	3.50	3.88	4.32	4.74	4.64	2.63	8.42	3.09	4.10	3.74	49.92
1935	5.28	3.29	2.19	3.35	2.70	5.03	2.96	0.86	3.87	1.21	4.72	1.05	36.51
1936	7.63	3.10	10.11	2.95	3.18	3.16	2.23	5.33	5.37	2.70	1.98	7.56	55.30
1937	6.45	2.36	3.16	4.46	4.50	5.78	2.83	6.82	5.67	4.45	6.20	2.77	55.45
1938	4.31	2.43	2.70	3.49	3.20	8.38	9.30	3.11	19.59	2.50	4.11	3.42	66.54
Av. 19 yrs.	3.80	3.02	3.71	3.94	3.34	4.60	4.97	3.99	5.28	3.38	3.80	3.38	47.21
1939	2.59	3.93	4.54	4.28	3.04	3.53	1.36	3.61	2.37	4.02	0.79	3.47	37.53
1940	2.49	3.69	5.29	6.45	5.39	3.01	4.08	2.04	2.20	1.10	6.82	2.52	45.08
1941	2.58	1.39	1.85	0.91	3.62	2.91	5.36	2.83	1.05	2.94	3.29	2.48	31.21

BARRE, MASS. (White Valley). Elevation, 680 feet.
Record January 1930 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1930	2.06	1.79	2.96	1.39	2.23	3.92	8.16	1.37	2.53	2.60	2.52	1.30	32.83
1931	1.93	2.14	3.99	2.04	5.04	3.99	3.36	8.03	2.61	2.91	1.37	3.14	40.55
1932	4.60	1.72	3.98	1.71	1.68	1.81	4.77	3.82	5.22	6.47	3.57	1.84	41.19
1933	1.85	3.41	3.89	4.65	2.11	1.98	2.57	4.89	9.31	4.90	0.99	1.71	42.26
1934	3.03	3.57	2.19	3.87	4.00	4.81	3.43	2.92	9.43	2.07	1.59	4.98	45.89
1935	4.72	2.99	2.22	2.74	3.08	5.40	3.74	1.10	4.53	1.11	2.70	1.32	35.65
1936	6.64	4.25	9.35	3.73	3.52	4.39	2.26	4.79	5.12	3.10	1.78	7.33	56.26
1937	5.33	2.32	3.04	4.17	4.28	4.91	2.26	5.73	3.78	3.58	5.84	2.84	48.08
1938	3.97	2.37	2.31	3.15	3.70	8.99	8.62	3.08	16.13	2.25	3.65	3.01	61.25
Av. 9 yrs.	3.79	2.93	3.77	3.05	3.29	4.47	4.35	3.97	6.52	3.22	2.67	3.05	44.88
1939	1.94	3.15	3.21	3.62	2.19	2.96	1.35	3.70	2.10	4.56	0.91	3.37	33.06
1940	2.16	3.49	4.30	5.61	5.44	2.17	3.51	1.36	1.80	1.15	6.25	2.67	39.91
1941	2.55	2.14	1.82	0.49	2.62	3.19	5.38	2.47	0.93	2.00	2.77	3.03	29.39

BEDFORD, MASS. Elevation, 170 feet.
Record January 1893 to December 1923 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.89	8.05	6.06	7.39	6.92	9.32	10.69	9.15	8.33	7.21	7.13	8.00	54.93
Year	1923	1900	1899	1904	1901	1922	1915	1898	1907	1895	1921	1901	1898
Min.	1.47	0.97	T	1.32	0.63	0.19	1.41	1.22	0.11	0.35	0.82	0.99	30.46
Year	1916	1895	1915	1896	1903	1912	1917	1907	1914	1897	1902	1899	1908
Av. 31 yrs.	3.17	3.27	3.42	3.30	3.09	3.23	3.53	3.40	3.35	2.92	3.12	3.27	39.07

BELCHERTOWN, MASS. (Springfield Water Works). Elevation, 440 feet.
Record January 1894 to December 1909 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.77	8.27	6.58	6.04	6.16	7.20	9.86	7.29	5.39	7.10	6.79	6.83	51.09
Year	1898	1900	1899	1904	1906	1903	1897	1898	1896	1898	1895	1901	1900
Min.	1.48	0.92	1.47	1.19	1.23	0.93	1.59	0.76	0.96	0.64	0.98	1.44	26.10
Year	1896	1901	1894	1902	1905	1901	1909	1894	1908	1897	1908	1906	1905
Av. 16 yrs.	3.22	3.41	4.17	3.09	3.29	3.60	4.21	3.92	3.82	3.33	3.34	3.29	42.69

BERLIN, MASS. (Hudson Water Works). Elevation, 450 feet.
Record December 1927 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1927	———	———	———	———	———	———	———	———	———	———	———	6.90	———
1928	2.96	2.97	1.84	4.79	2.92	5.96	4.54	3.87	3.59	2.08	2.24	2.07	39.33
1929	4.32	3.61	2.77	6.09	3.82	4.07	1.00	1.72	2.21	3.10	3.46	2.77	38.92
1930	1.78	1.27	3.38	1.68	3.23	1.32	4.03	1.41	1.45	4.62	3.92	1.42	29.51
1931	3.71	2.64	5.32	3.04	3.70	6.48	2.31	6.77	1.64	2.52	1.06	3.46	42.65
1932	4.01	1.91	4.95	2.14	1.27	2.67	2.86	5.59	9.13	7.17	5.20	1.45	48.35
1933	2.20	3.16	6.28	4.71	2.27	2.51	1.82	4.74	11.33	3.69	1.05	3.12	46.88
1934	3.43	2.47	3.60	4.23	4.28	4.51	2.52	2.28	9.83	2.87	2.47	2.92	45.41
1935	5.63	2.90	1.73	4.03	2.20	7.29	2.37	2.96	4.19	0.75	4.38	0.90	39.33
1936	6.73	2.68	9.21	3.39	3.18	2.79	1.50	5.81	4.46	2.65	1.47	7.35	51.22
1937	4.38	1.77	3.05	4.72	4.41	3.95	1.59	4.87	3.19	4.24	6.62	3.62	46.41
1938	3.60	2.02	2.05	3.25	3.98	6.58	9.48	5.84	10.30	1.84	2.95	3.14	55.03
Av. 11 yrs.	3.89	2.49	4.02	3.82	3.21	4.37	3.09	4.17	5.57	3.23	3.17	2.93	43.96
1939	2.02	3.73	4.08	4.36	1.95	3.24	1.35	3.78	2.84	4.60	0.93	2.83	35.71
1940	2.41	3.43	3.68	5.18	5.01	2.77	3.53	1.47	3.63	1.12	5.88	2.62	40.73
1941	2.78	2.14	1.77	0.91	2.04	2.61	2.22	2.93	0.62	1.93	2.84	3.02	25.81

BEVERLY, MASS. (Wenham Lake). Elevation, 60 feet.
Record January 1874 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.74	9.55	7.96	10.52	7.09	11.70	14.10	11.98	8.70	9.16	10.71	7.18	64.62
Year	1878	1886	1876	1904	1901	1903	1921	1878	1918	1898	1895	1901	1878
Min.	1.20	0.22	0.13	0.71	0.26	0.25	1.25	0.75	0.16	0.13	0.81	0.94	30.21
Year	1893	1901	1915	1892	1903	1894	1917	1876	1877	1924	1922	1875	1914
1929	3.60	3.17	2.60	6.92	3.74	2.02	1.48	3.35	1.90	2.90	3.03	3.82	38.53
1930	2.68	1.88	3.20	1.56	3.04	2.17	3.58	3.42	0.78	4.29	5.63	2.06	34.29
1931	4.31	2.58	4.12	2.99	4.58	7.70	3.04	4.01	2.10	2.87	1.19	3.79	43.28
1932	5.18	1.68	4.82	1.69	1.12	1.76	2.82	5.96	6.20	7.08	5.57	1.44	45.32
1933	2.35	3.75	5.69	5.64	2.84	1.30	2.95	2.72	9.33	3.92	1.31	3.25	45.05
1934	3.33	3.13	5.27	2.70	2.22	4.23	2.40	1.27	6.84	3.49	2.62	2.30	39.80
1935	6.52	2.88	1.22	4.57	1.40	6.68	2.38	1.42	3.66	0.44	4.51	1.39	37.07
1936	7.19	3.35	6.72	3.95	1.87	3.16	2.10	3.74	4.65	1.75	1.08	8.94	48.50
1937	4.98	1.32	3.24	5.14	2.88	3.00	1.07	3.65	5.09	4.77	5.33	4.43	44.90
1938	3.57	2.32	2.44	3.31	4.76	7.14	9.50	2.28	7.04	2.06	2.03	3.41	49.86
Av. 65 yrs.	3.52	3.13	3.60	3.51	3.33	3.61	3.78	3.72	3.70	3.50	3.78	3.35	42.53
1939	1.47	3.34	4.42	4.84	3.23	3.00	0.76	2.33	1.56	4.44	0.93	2.95	33.27
1940	2.12	2.84	5.04	4.96	3.54	2.42	3.30	1.07	4.01	0.62	6.44	2.74	39.10
1941	2.88	1.51	1.76	1.97	2.90	2.47	2.85	2.61	0.38	2.11	2.83	4.67	28.94

BILLERICA (NORTH), MASS. Elevation, 100 feet.
Record January 1889 to December 1908 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.78	9.18	7.96	10.69	7.01	9.35	7.18	7.81	7.75	7.75	8.99	6.65	52.01
Year	1905	1900	1890	1904	1893	1903	1889	1898	1896	1890	1895	1901	1898
Min.	1.20	0.60	0.92	0.50	0.50	0.80	1.00	0.95	0.43	0.40	0.00	0.82	30.68
Year	1901	1906	1894	1908	1903	1908	1892	1907	1908	1897	1908	1899	1908
Av. 20 yrs	3.38	3.40	3.70	3.42	3.57	3.54	3.59	3.62	3.40	3.69	3.67	3.30	42.28

BLANDFORD, MASS. Elevation, 1,400 feet.
Record January 1930 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1930	2.01	1.61	4.70	2.52	4.92	5.27	3.42	2.66	2.58	1.78	4.86	1.98	38.31
1931	3.70	2.71	5.19	2.81	7.69	4.83	3.63	3.84	1.53	2.64	1.39	2.64	42.60
1932	4.95	2.08	4.50	1.89	1.80	4.24	3.93	2.86	3.48	7.25	6.62	1.44	45.04
1933	1.70	2.92	5.48	4.50	1.77	3.53	2.63	7.79	7.97	3.06	0.93	3.38	45.66
1934	3.55	2.29	3.90	4.06	4.44	4.71	2.01	5.33	10.37	2.32	4.24	3.57	50.79
1935	4.28	2.46	1.76	1.91	2.79	4.98	4.26	0.53	4.34	0.91	4.04	0.86	33.12
1936	5.40	2.38	10.44	3.96	2.51	1.85	1.09	4.53	4.23	3.52	1.52	6.28	47.71
1937	5.50	3.35	3.48	4.05	6.85	5.63	4.10	4.79	5.86	6.77	6.32	3.21	59.91
1938	5.17	1.80	2.40	2.18	3.89	9.99	6.05	4.27	12.60	2.31	2.87	3.72	57.25
Av. 9 yrs.	4.03	2.40	4.65	3.10	4.07	5.00	3.46	4.07	5.88	3.40	3.64	3.01	46.71
1939	2.39	3.98	3.82	4.35	1.12	2.88	3.45	4.92	3.30	4.89	1.20	2.34	38.64
1940	2.54	3.30	4.85	5.13	7.28	3.46	2.95	2.94	2.28	1.64	6.11	2.55	45.03
1941	2.57	3.23	1.58	0.90	3.32	5.86	6.42	3.97	0.95	2.88	3.40	4.47	39.55

BOSTON, MASS. (70 Stratford St., West Roxbury). Elevation, 185 feet.
Record January 1912 to February 1935 except years 1926 and 1928.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.79	6.65	5.73	5.75	5.39	9.44	10.39	10.65	9.50	6.96	6.80	5.57	51.46
Year	1915	1920	1922	1920	1922	1922	1915	1917	1918	1913	1921	1915	1920
Min.	1.39	1.73	T	1.46	0.95	0.26	0.73	0.87	0.27	0.12	0.64	1.54	35.35
Year	1916	1925	1915	1922	1923	1912	1917	1925	1914	1924	1917	1919	1914
1927	2.40	3.47	1.32	1.76	2.76	1.85	4.77	7.66	2.59	4.74	5.12	5.29	43.73
1929	3.45	3.09	2.54	6.63	3.66	4.78	4.91	1.59	1.51	2.72	3.17	4.52	42.57
1930	2.93	2.57	2.94	1.93	1.55	1.83	2.86	3.44	0.36	5.71	4.38	2.84	33.34
1931	3.49	3.35	5.02	2.63	4.63	10.13	2.25	4.25	3.50	2.49	0.73	3.07	45.54
1932	4.87	1.94	5.67	1.48	2.02	2.90	3.79	4.60	5.95	7.84	5.42	1.73	48.21
1933	2.24	3.45	6.27	7.56	2.91	1.74	1.70	3.77	10.73	3.82	0.90	4.08	49.17
1934	3.22	4.02	4.84	3.05	2.17	4.11	2.13	1.90	5.69	3.79	3.25	2.72	40.89
1935	7.09	3.29											
Av. 21 yrs.	3.38	3.12	3.88	3.81	3.18	3.52	3.87	4.12	3.74	3.28	3.11	3.48	42.49

BOSTON, MASS. (Composite, Long Term Table).
Record January 1818 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max*	8.84	9.98	11.75	10.83	10.38	8.09	12.38	12.10	11.95	8.19	11.63	9.04	67.72
Year	1836	1869	1864	1857	1868	1858	1863	1826	1868	1877	1840	1869	1863
Min*	0.35	0.54	0.96	0.20	0.25	0.28	0.82	6.34	0.23	0.30	0.81	0.26	27.20
Year	1849	1895	1834	1844	1826	1912	1907	1883	1884	1897	1825	1828	1822
1914	3.61	3.71	4.29	6.03	2.78	1.57	2.70	3.51	0.28	1.62	2.83	3.72	36.65
1915	6.61	3.46	T	2.39	1.56	3.40	7.80	6.01	0.85	2.86	2.26	4.64	41.84
1916	1.55	5.41	3.69	4.62	3.19	5.53	5.43	2.49	1.68	1.11	1.78	3.16	39.64
1917	3.25	2.68	4.27	2.87	4.88	3.93	1.05	7.28	1.95	5.85	0.84	2.46	41.31
1918	3.29	3.17	2.59	3.79	1.58	2.17	3.29	1.62	9.26	1.12	1.54	3.69	37.11
1919	3.39	3.28	4.57	2.71	4.62	1.30	4.85	4.91	6.39	2.34	5.25	1.82	45.43
1920	3.20	6.52	3.94	5.89	5.03	6.02	1.66	2.04	2.51	1.44	5.77	4.18	48.20
1921	2.51	3.23	2.33	5.56	3.02	4.12	10.27	1.56	1.48	1.17	6.45	2.50	44.20
1922	1.53	3.19	4.87	2.03	5.33	8.92	3.02	5.34	3.88	2.14	1.02	3.81	45.08
1923	7.01	2.31	2.97	5.35	0.90	2.25	3.29	1.71	0.47	3.73	3.06	5.17	38.22
1924	3.44	2.44	2.20	4.52	2.91	1.17	1.96	6.53	7.87	0.09	1.83	1.56	36.52
1925	4.46	1.77	5.63	2.63	2.23	4.50	4.03	1.16	3.40	4.06	3.61	5.62	43.10
1926	2.67	5.95	2.88	1.96	3.07	1.45	5.14	3.86	1.12	3.68	4.29	3.88	39.95
1927	2.76	3.48	1.31	1.47	2.78	2.32	4.94	7.28	2.57	3.93	5.11	5.36	43.31
1928	2.15	3.15	1.68	5.11	3.23	6.07	4.34	2.68	4.37	3.33	1.97	2.62	40.70
1929	4.00	4.15	2.85	8.36	3.05	2.81	1.97	1.90	1.08	2.53	3.00	4.16	39.86
1930	2.90	2.27	3.20	2.13	3.30	2.12	3.54	2.95	0.39	5.93	4.12	3.04	35.89
1931	3.94	3.84	4.80	3.09	4.47	9.14	2.16	5.11	1.78	2.26	0.87	3.03	44.49
1932	4.70	2.58	5.43	1.72	1.55	2.16	1.87	4.54	4.83	7.66	5.43	1.92	44.39
1933	2.21	4.09	6.71	6.82	2.82	1.53	2.34	3.34	10.93	3.36	0.81	3.21	48.17
1934	3.25	4.21	4.67	3.06	2.07	3.79	1.56	1.99	6.18	3.13	3.06	2.79	39.77
1935	7.16	3.04	1.60	5.97	1.70	6.90	1.91	3.30	3.30	0.64	5.04	0.94	41.50
1936	7.58	3.40	7.10	3.40	1.69	2.08	1.68	6.14	6.06	1.90	1.56	8.35	50.94
1937	4.21	1.59	3.70	5.08	2.97	3.39	1.01	4.44	4.03	4.65	5.57	4.18	44.82
1938	4.38	2.33	2.46	2.94	5.05	7.40	10.42	4.14	6.47	2.89	2.86	2.90	54.24
Av. 121 yrs.	3.86	3.59	4.07	3.95	3.56	3.27	3.61	4.10	3.59	3.59	3.95	3.75	44.89
1939	2.33	4.19	5.04	4.84	1.26	3.49	0.57	3.32	1.40	5.32	1.31	3.29	36.36
1940	2.29	4.76	3.73	5.20	3.58	1.79	3.73	1.55	2.73	0.91	6.48	2.56	39.31
1941	3.48	1.80	2.35	1.79	2.44	4.32	3.84	2.83	0.45	1.86	2.72	3.32	31.20

*For the period 1818-1913 inclusive.

BOSTON, MASS. (Arnold Arboretum). Elevation, 75 feet.
Record August 1934 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1934	———	———	———	———	———	———	———	1.83	6.85	3.33	3.10	2.88	———
1935	6.50	3.07	1.56	6.32	1.74	7.38	2.16	4.13	3.14	0.64	5.10	0.93	42.67
1936	8.01	3.37	7.09	3.42	1.56	2.10	1.80	6.26	6.67	1.77	1.50	8.39	51.94
1937	4.34	1.63	3.73	5.32	2.94	3.51	0.95	4.27	4.34	4.81	5.89	4.22	45.95
1938	4.62	2.25	2.46	3.05	5.59	7.53	11.10	4.28	6.13	2.95	2.89	2.95	55.80
1939	2.44	4.48	4.84	4.91	1.19	3.23	0.34	3.13	1.55	5.58	1.40	3.30	36.39
1940	2.42	4.97	3.79	5.42	3.66	2.50	3.60	1.29	2.73	0.96	6.60	2.54	40.48
1941	3.94	1.94	2.60	1.89	2.65	4.67	4.29	2.66	0.43	1.71	2.75	3.37	32.90

BOSTON, MASS. (Brookline Pumping Station, West Roxbury). Elevation, 90 feet.
Record October 1913 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.06	7.38	5.76	6.33	5.14	9.83	9.65	10.94	9.20	7.43	6.97	5.11	51.92
Year	1923	1920	1925	1921	1917	1922	1915	1917	1918	1913	1921	1927	1920
Min.	1.34	1.61	T	1.57	0.89	1.27	0.80	0.91	0.23	0.14	0.83	1.53	35.45
Year	1916	1925	1915	1922	1923	1919	1917	1925	1914	1924	1917	1917	1914
1929	3.72	3.68	3.17	8.33	3.38	5.03	0.96	1.59	1.80	2.63	2.94	4.15	41.38
1930	3.07	2.56	2.99	1.80	2.86	1.59	3.00	3.16	0.25	5.40	4.25	3.07	34.00
1931	3.29	3.34	5.37	2.45	4.76	9.08	2.36	5.50	3.68	2.27	0.76	2.97	46.33
1932	5.22	2.22	6.08	1.31	1.72	2.58	2.74	4.72	5.89	7.71	4.94	1.61	46.74
1933	2.20	3.30	6.95	6.25	2.49	1.63	1.74	2.99	10.69	3.72	0.80	3.90	46.66
1934	3.49	3.87	4.96	3.22	2.43	4.25	2.09	2.13	5.91	3.70	3.40	2.76	42.21
1935	6.85	3.01	1.74	7.56	1.79	5.61	2.49	3.55	3.26	0.70	5.31	0.96	42.83
1936	7.62	3.04	7.14	3.21	1.55	2.12	2.01	7.21	7.14	1.75	1.64	8.32	52.75
1937	3.97	1.45	3.79	5.14	3.05	3.48	0.89	4.43	4.05	4.05	5.67	4.74	44.71
1938	3.99	2.23	2.42	2.70	5.11	7.61	9.19	4.40	6.23	2.79	3.37	3.15	53.19
Av. 25 yrs.	3.75	3.21	3.62	4.03	3.01	3.91	3.71	4.21	4.05	3.00	3.25	3.43	43.18
1939	2.58	3.95	4.44	4.45	1.13	3.15	0.64	3.53	1.42	5.12	1.50	2.90	34.81
1940	2.10	5.19	3.39	5.27	3.91	2.39	3.76	1.50	2.42	0.93	6.10	2.28	39.24
1941	2.34	1.82	1.92	1.42	2.42	4.86	3.87	2.70	0.28	1.52	2.47	3.38	29.00

BOSTON, MASS. (Blue Hill Observatory, Valley Station, Readville). Elevation, 60 feet.
Record August 1888 to July 1922 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.15	7.37	7.64	9.35	7.32	10.01	10.40	9.35	9.71	8.06	9.70	8.12	60.53
Year	1915	1900	1890	1904	1920	1922	1921	1917	1918	1890	1888	1901	1920
Min.	1.55	0.79	0.05	0.82	0.81	0.48	0.86	1.33	0.30	0.64	0.58	1.24	35.13
Year	1916	1901	1915	1892	1903	1912	1909	1899	1914	1897	1917	1892	1908
Av. 33 yrs.	3.92	3.82	4.14	3.71	3.52	3.09	4.05	3.69	3.69	3.71	3.86	3.72	44.92

BOSTON, MASS. (U. S. Weather Bureau). Elevation*
Record January 1871 to December 1941.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.60	7.04	9.86	9.14	6.31	8.05	11.69	10.68	10.93	8.84	11.03	8.49	65.53
Year	1878	1886	1881	1904	1901	1922	1921	1872	1882	1877	1876	1901	1878
Min.	0.92	0.45	T	0.93	0.32	0.27	0.97	0.39	0.21	0.06	0.59	0.75	28.33
Year	1871	1877	1915	1892	1903	1912	1909	1883	1914	1924	1917	1875	1910
1929	3.82	3.78	2.79	7.52	2.82	2.30	1.35	2.22	0.76	2.38	3.01	4.43	37.18
1930	2.77	2.23	3.02	2.08	3.39	2.24	3.36	3.03	0.26	5.83	4.09	2.99	35.29
1931	4.09	4.21	4.66	3.12	4.51	9.13	2.43	4.45	1.67	2.18	0.82	2.90	44.17
1932	4.24	1.74	5.28	1.67	1.63	2.05	2.10	4.24	4.50	7.18	5.24	1.78	41.65
1933	2.04	3.77	6.80	7.37	2.74	1.22	2.63	3.41	10.94	3.11	0.65	2.93	47.61
1934	2.67	4.45	4.04	3.21	1.56	3.11	1.25	1.83	5.67	2.94	1.78	1.64	34.15
1935	6.13	3.26	1.52	4.77	1.35	5.07	1.10	2.14	2.69	0.34	3.91	0.66	32.94
1936	6.46	3.66	6.40	3.54	1.70	2.37	1.04	5.15	3.79	2.67	1.33	8.19	46.30
1937	3.93	1.31	3.57	5.34	2.52	3.47	1.17	4.97	3.69	3.95	4.66	5.09	43.67
1938	4.91	2.38	2.42	3.22	4.42	6.30	9.46	3.31	6.00	2.43	2.89	2.80	50.54
Av. 68 yrs.	3.61	3.28	3.77	3.58	3.16	3.15	3.40	3.73	3.25	3.33	3.59	3.36	41.21
1939	2.18	3.79	5.23	4.54	1.29	2.70	0.75	2.14	1.01	4.77	1.14	2.91	32.45
1940	1.68	4.78	3.83	4.58	3.28	1.80	3.17	0.85	2.32	0.76	6.24	2.76	36.05
1941	4.21	1.70	3.40	1.70	2.43	4.29	2.90	1.55	1.18	1.92	2.40	3.19	30.87

*Since March 1936, this Gage has been on the ground, Elevation 27 feet.

BOSTON, MASS. (Beacon Hill Reservoir). Elevation, 100 feet.
Record 1876; 1878 to 1880 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.52	5.51	6.62	5.77	3.33	5.66	6.77	6.60	3.30	5.19	8.51	4.87	53.69
Year	1878	1878	1876	1878	1876	1879	1876	1878	1876	1878	1876	1878	1878
Min.	1.84	2.50	2.85	2.59	0.83	0.50	2.41	1.50	1.68	1.38	2.30	2.55	32.59
Year	1876	1879	1880	1880	1878	1880	1879	1876	1880	1879	1880	1880	1880

BOSTON, MASS. (Fort Independence, Boston Harbor). Elevation, 25 feet.
Record January 1851 to December 1859—January 1865 to December 1879 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.90	7.10	9.75	8.55	10.80	8.35	11.50	9.80	8.10	6.04	9.90	5.97	73.09
Year	1878	1869	1875	1851	1875	1875	1875	1867	1868	1871	1876	1859	1875
Min.	0.82	0.90	1.16	1.40	0.58	1.55	1.02	0.50	0.20	0.67	1.65	1.04	35.53
Year	1866	1868	1855	1869	1878	1877	1859	1854	1877	1874	1867	1875	1851
Av. 24 yrs.	3.26	2.99	3.74	4.08	3.93	3.30	3.73	4.68	2.77	3.25	4.12	3.21	43.06

*BOSTON, MASS. (Fort Warren, Boston Harbor). Elevation, 25 feet.
Record January 1871 to December 1880 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.25	14.00	11.20	9.85	7.00	8.04	4.72	9.00	4.00	5.70	9.38	13.91	66.30
Year	1873	1873	1873	1874	1873	1875	1876	1874	1872	1872	1876	1872	1873
Min.	0.82	0.80	1.05	1.25	0.56	0.81	1.82	1.08	0.38	0.60	1.72	0.28	23.11
Year	1871	1877	1880	1872	1879	1880	1871	1876	1877	1879	1880	1877	1880
Av. 10 yrs.	2.59	3.33	4.29	3.92	3.08	3.06	3.16	4.68	1.76	2.98	3.21	3.37	39.43

*Records of little value.

*BOSTON, MASS. (Thompson's Island, Boston Harbor). Elevation, 25 feet.
Record January 1906 to December 1918 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	3.91	3.47	2.59	5.29	4.69	3.81	5.32	4.72	6.90	6.43	4.77	4.53	33.82
Year	1910	1911	1913	1913	1906	1911	1912	1911	1907	1913	1907	1907	1906
Min.	0.90	1.33	0.94	1.09	0.34	0.29	0.73	0.74	0.49	0.97	0.76	0.98	22.06
Year	1908	1912	1907	1908	1911	1912	1909	1907	1908	1909	1908	1910	1908
1914	3.24	2.39	2.59	7.22	3.05	1.32	2.10	3.82	0.41	1.63	2.92	4.47	35.16
1915	6.89	3.71	T	2.39	1.59	1.66	9.13	6.82	0.77	3.06	2.67	5.80	44.49
1916	1.26	4.92	3.52	3.26	2.73	4.00	4.64	1.95	1.12	0.92	1.31	1.57	31.20
1917	1.54	1.48	1.93	2.12	4.14	3.44	0.91	3.80	1.46	4.75	0.51	1.85	27.93
1918	1.84	1.56	0.56	3.79	0.80	1.57	1.98	1.11	1.44	0.59	0.36	2.64	18.24

*Records of little value.

BOSTON, MASS. (Charlestown). Elevation, 60 feet.
Record January 1792 to December 1802 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.67	4.33	6.53	7.46	6.30	4.36	5.36	6.08	5.26	7.71	6.32	3.74	45.43
Year	1794	1797	1801	1800	1802	1799	1795	1795	1795	1798	1792	1800	1800
Min.	0.55	0.45	1.68	0.83	0.83	1.04	1.21	0.86	1.30	0.46	1.02	0.13	25.77
Year	1792	1802	1800	1794	1794	1800	1793	1798	1797	1801	1796	1792	1796
Av. 11 yrs.	2.60	2.23	4.09	3.20	3.83	2.36	2.88	3.43	3.02	3.52	2.86	2.27	36.29

BOYLSTON, MASS. Elevation, 530 feet.
Record January 1896 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.38	8.81	6.83	9.25	7.05	11.83	9.18	10.72	10.10	6.76	9.01	9.80	60.39
Year	1898	1900	1899	1901	1901	1903	1915	1898	1907	1898	1927	1901	1898
Min.	1.54	1.20	0.04	1.47	0.66	0.33	1.47	1.61	0.13	0.08	1.07	1.84	37.43
Year	1916	1901	1915	1915	1905	1912	1917	1907	1914	1924	1908	1924	1924
1929	4.34	4.12	3.39	5.94	4.38	3.46	0.71	1.70	2.51	3.28	3.24	3.56	40.63
1930	2.34	2.16	3.74	1.79	2.86	1.99	4.23	1.70	1.83	4.08	3.91	2.94	33.57
1931	3.69	2.29	5.56	3.20	5.39	5.79	2.38	5.31	2.08	2.58	1.19	3.76	43.22
1932	5.66	3.12	4.89	2.14	1.42	2.58	2.74	5.15	7.84	7.46	5.20	2.30	50.50
1933	2.43	4.76	6.22	5.87	2.14	3.32	1.53	4.02	11.18	3.14	1.54	4.17	50.32
1934	4.04	4.51	4.31	4.42	4.36	4.93	3.64	2.24	10.59	3.07	2.80	3.87	52.78
1935	7.06	3.67	2.00	3.77	3.04	6.27	3.17	3.26	4.37	0.79	5.01	1.24	43.65
1936	8.25	3.46	10.46	3.38	3.55	2.71	2.58	5.58	4.21	2.87	1.82	8.17	57.04
1937	5.14	2.14	3.56	5.35	3.91	4.21	2.08	4.14	3.72	4.67	8.06	3.84	50.82
1938	4.75	2.62	2.86	3.50	3.82	6.81	10.37	2.83	9.80	2.23	3.42	3.31	56.32
Av. 43 yrs.	3.92	3.82	4.18	3.85	3.26	3.91	3.98	3.92	4.28	3.17	3.81	3.89	45.59
1939	2.84	4.23	4.96	4.40	1.63	4.47	2.56	4.40	2.83	4.53	1.05	3.15	41.05
1940	3.20	4.94	4.31	5.93	5.51	3.05	3.99	1.54	3.46	1.08	7.23	2.66	46.90
1941	3.77	2.23	2.65	0.85	2.75	2.24	1.83	2.75	0.69	2.24	3.32	3.32	28.64

BRIDGEWATER, MASS. (State Farm). Elevation, 60 feet.
Record June 1914 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	9.22	5.04	5.97	5.76	5.70	6.82	10.10	10.34	7.64	6.53	7.30	5.39	51.58
Year	1915	1926	1922	1918	1917	1920	1916	1922	1919	1917	1921	1923	1919
Min.	1.78	1.56	0.03	1.65	1.11	0.96	1.30	1.57	1.30	0.13	0.41	1.99	38.06
Year	1916	1923	1915	1925	1923	1914	1924	1916	1921	1924	1917	1924	1928
1929	3.05	3.64	4.33	7.85	3.63	0.62	2.69	2.38	3.31	2.56	3.57	4.42	42.05
1930	3.16	3.01	2.05	1.29	1.94	2.50	3.16	2.31	0.56	4.01	3.89	2.89	30.57
1931	3.17	2.81	6.47	2.72	5.53	5.88	4.71	6.50	1.81	3.29	0.63	3.36	46.88
1932	5.50	1.93	5.68	1.18	2.50	4.55	2.29	6.29	6.25	5.60	7.35	1.71	50.83
1933	3.03	3.25	7.99	7.43	2.26	1.14	2.48	3.45	13.62	2.49	2.21	3.54	52.89
1934	2.83	3.76	4.80	3.62	2.32	3.47	1.79	1.73	3.44	3.18	3.61	2.86	37.41
1935	5.65	2.87	1.74	5.26	1.92	4.75	3.16	1.64	3.65	1.46	5.54	1.22	38.86
1936	6.79	2.72	6.83	3.74	1.10	3.26	2.10	4.40	8.00	2.23	0.79	10.94	52.90
1937	5.85	1.03	3.68	4.74	2.50	4.16	1.05	5.39	3.46	4.17	5.26	4.91	46.20
1938	3.89	2.48	2.51	2.78	3.71	8.18	6.08	1.01	6.66	3.12	2.68	3.38	46.48
Av. 24 yrs.	3.97	3.05	3.82	3.86	2.96	3.66	3.98	4.16	4.16	3.10	3.24	3.74	43.70
1939	2.95	2.65	5.19	5.00	1.17	3.68	1.15	3.69	2.45	5.06	1.52	1.37	35.88
1940	2.38	4.00	1.99	7.26	4.68	1.59	3.01	0.70	3.82	1.47	7.81	2.51	41.22
1941	3.89	2.23	2.52	2.34	1.74	3.70	3.84	2.84	0.21	1.94	2.05	3.00	30.30

BROCKTON, MASS. (City Hall).* Elevation, 200 feet.
Record January 1894 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.49	5.32	7.06	8.00	6.49	8.93	8.00	8.96	10.27	7.77	7.87	7.65	52.48
Year	1915	1926	1908	1904	1901	1922	1921	1927	1918	1898	1921	1901	1898
Min.	1.22	0.70	T	1.14	0.75	0.68	0.86	1.26	0.74	0.15	0.46	1.15	32.02
Year	1922	1895	1915	1899	1903	1894	1924	1894	1915	1924	1917	1899	1905
1929	3.75	3.77	3.38	7.21	2.94	1.00	3.78	2.27	2.25	2.17	3.52	3.78	39.82
1930	3.53	3.40	2.51	0.99	2.76	1.71	2.25	3.52	0.13	4.54	3.92	2.95	32.21
1931	3.25	2.87	5.32	2.05	4.23	6.31	3.05	5.14	0.92	2.79	0.85	2.80	39.58
1932	4.52	1.75	5.50	1.34	1.83	2.57	3.31	5.28	5.03	7.15	3.88	1.47	43.63
1933	2.12	3.38	4.95	6.39	1.94	1.72	1.81	3.13	10.16	3.22	0.95	3.62	43.39
1934	3.64	4.60	3.31	4.09	2.10	3.64	0.65	1.58	3.19	3.20	2.75	2.40	35.15
1935	4.72	2.70	0.85	6.38	1.75	5.26	1.30	2.78	2.15	0.49	4.50	1.24	34.12
1936	5.99	3.49	4.87	2.58	1.72	2.49	2.71	4.25	6.69	2.55	1.19	7.55	46.08
1937	3.50	1.02	3.18	4.50	2.37	2.53	1.74	4.65	3.03	2.79	3.56	3.77	36.64
1938	3.73	2.46	2.22	2.43	3.29	7.20	7.48	2.45	5.44	2.52	3.08	2.60	44.90
Av. 45 yrs.	3.36	3.08	3.45	3.50	2.96	3.12	3.49	3.51	3.64	3.24	3.18	3.39	39.92
1939	2.52	3.07	5.26	3.53	1.35	2.23	1.18	3.22	1.21	4.35	1.02	2.11	31.15
1940	1.43	5.06	3.83	5.97	2.46	2.53	2.95	0.96	3.29	0.79	6.49	2.39	38.15
1941	3.21	1.47	2.54	1.91	2.06	3.25	3.52	1.47	0.74	1.37	1.94	2.52	26.00

*Recording gage on roof.

BROCKTON, MASS. (Filter Beds). Elevation, 100 feet.
Record January 1894 to December 1910 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	4.87	6.16	7.48	6.98	6.59	5.20	6.52	6.73	10.09	8.00	7.56	7.93	51.17
Year	1899	1900	1901	1904	1902	1910	1898	1898	1899	1898	1895	1901	1898
Min.	1.81	0.87	1.38	0.97	0.49	0.99	0.96	0.98	1.07	0.51	0.47	1.52	30.33
Year	1902	1901	1894	1896	1903	1908	1909	1894	1903	1897	1908	1899	1908
Av. 17 yrs.	3.06	3.09	3.77	3.43	2.97	2.83	3.26	2.61	4.16	3.54	3.38	3.35	39.45

BROCKTON, MASS. (Sewage Pumping Station). Elevation, 100 feet.
Record January 1894 to December 1904 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	4.90	6.43	8.36	8.77	6.69	5.56	6.91	6.62	9.92	7.92	8.09	8.62	53.85
Year	1899	1900	1903	1904	1901	1903	1898	1898	1899	1898	1895	1901	1898
Min.	1.84	0.84	1.31	1.04	0.78	0.41	1.91	1.12	0.99	0.61	1.49	1.50	35.97
Year	1896	1901	1894	1896	1902	1894	1894	1894	1903	1897	1899	1899	1894
Av. 11 yrs.	3.17	3.60	4.67	4.01	3.20	3.20	3.41	2.95	4.53	4.33	3.97	3.60	44.64

BROCKTON, MASS. (Sewage Disposal Works). Elevation, 100 feet.
Record December 1919 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.16	4.59	5.67	5.72	5.55	10.93	8.02	10.40	5.47	6.52	6.93	5.53	51.91
Year	1923	1926	1922	1921	1920	1922	1921	1927	1924	1926	1921	1923	1920
Min.	1.90	1.72	1.70	1.51	1.10	1.20	1.96	1.30	1.27	0.15	1.04	1.81	37.52
Year	1922	1923	1927	1922	1923	1925	1924	1925	1923	1924	1922	1924	1925
1929	3.85	3.56	3.75	8.07	3.60	0.83	3.06	2.01	2.87	3.38	3.80	4.76	43.54
1930	3.46	2.77	3.25	1.74	2.98	1.83	2.89	2.93	0.32	5.05	4.62	2.71	34.55
1931	3.57	2.74	5.87	2.86	5.09	6.77	3.17	5.93	1.42	2.93	0.92	3.48	44.75
1932	5.29	2.19	5.71	1.36	2.09	2.18	3.32	7.51	5.37	6.63	4.91	1.59	48.15
1933	2.28	3.70	6.10	5.83	2.79	1.84	2.80	3.01	9.38	3.29	1.21	4.15	46.38
1934	4.30	3.78	4.53	3.45	2.78	4.01	1.01	2.18	3.73	3.48	3.54	2.89	39.68
1935	4.52	3.02	1.75	6.29	1.85	5.60	1.63	3.36	2.54	0.95	4.57	1.23	37.31
1936	6.57	3.75	7.18	3.53	2.04	2.62	1.83	4.69	7.93	1.91	1.37	9.61	53.03
1937	4.07	1.13	3.43	4.74	2.28	3.35	1.11	6.84	4.79	4.09	4.70	3.65	44.18
1938	4.50	2.61	2.94	2.67	4.46	8.43	8.93	2.71	7.43	2.86	3.03	3.18	53.75
Av. 19 yrs.	3.85	3.12	4.00	3.89	3.13	4.04	3.62	4.49	3.81	3.36	3.56	3.68	44.55
1939	2.47	4.36	5.44	4.67	1.35	3.19	0.83	3.93	1.84	5.07	1.19	3.11	37.45
1940	2.45	3.63	4.04	6.82	4.15	1.88	3.38	1.52	4.05	1.06	7.02	2.71	42.71
1941	3.45	2.36	2.26	2.10	2.82	4.74	4.27	2.76	0.26	1.60	2.49	3.11	32.22

CAMBRIDGE, MASS. (City Hall).* Elevation, 75 feet.
Record January 1900 to December 1934.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.33	7.52	7.52	10.07	6.77	9.88	11.85	7.98	10.23	6.71	7.53	7.29	47.45
Year	1915	1900	1906	1904	1901	1922	1921	1924	1918	1913	1921	1901	1920
Min.	1.43	0.88	T	1.33	0.20	0.28	0.93	0.77	0.25	0.08	0.81	1.61	31.53
Year	1916	1901	1915	1927	1923	1912	1905	1910	1914	1924	1917	1919	1910
1929	4.11	4.28	2.98	7.45	2.75	3.63	1.40	3.00	0.82	2.42	3.21	3.89	39.94
1930	2.61	2.79	2.91	1.85	3.24	1.81	3.61	2.69	0.34	5.64	3.88	2.98	34.35
1931	4.44	3.50	4.87	2.88	4.10	8.99	1.90	4.93	1.05	2.31	1.06	3.67	43.70
1932	4.59	2.75	5.63	1.69	1.55	2.59	1.88	5.02	5.03	7.96	5.53	2.00	46.22
1933	2.04	3.77	6.80	7.37	2.74	1.22	2.63	3.41	10.94	3.11	0.65	2.93	47.61
1934	2.67	4.45	4.04	3.21	1.56	3.11	1.25	1.83	5.67	2.94	1.78	1.64	34.15
Av. 35 yrs.	3.39	3.62	3.81	3.89	3.03	3.35	3.52	3.51	3.66	2.92	3.12	3.67	41.49

*Recording gage on roof.

CAMBRIDGE, MASS. (Fresh Pond).* Elevation, 40 feet.
Record December 1878 to December 1931 and January 1935 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.94	7.50	7.02	8.80	7.30	8.46	11.73	7.34	8.36	10.16	9.20	7.71	62.46
Year	1923	1920	1890	1901	1893	1903	1921	1898	1918	1895	1885	1901	1888
Min.	1.06	0.79	0.00	0.77	0.35	0.19	0.46	0.34	0.35	0.00	0.58	1.10	28.17
Year	1916	1901	1915	1892	1903	1912	1917	1883	1923	1924	1908	1924	1908
1929	2.60	3.92	2.17	8.13	3.18	3.09	0.90	1.69	1.18	2.41	2.81	2.97	35.05
1930	2.11	1.78	2.61	1.95	2.33	1.69	3.70	2.43	0.33	4.65	4.48	2.57	30.63
1931	2.93	3.53	5.68	2.14	4.28	8.84	1.31	4.92	1.05	2.31	1.06	3.67	41.72
1935	6.13	3.26	1.52	4.77	1.35	5.07	1.10	2.14	2.69	0.34	3.91	0.66	32.94
1936	6.44	3.66	6.40	3.54	1.70	2.37	1.02	5.15	3.79	2.67	1.33	8.19	46.26
1937	3.93	1.31	3.57	5.34	2.52	3.47	1.17	4.97	3.69	3.95	4.66	5.09	43.67
1938	4.91	2.38	2.42	3.22	4.42	6.30	9.46	3.31	6.00	1.82	2.89	2.80	49.93
Av. 57 yrs.	3.64	3.63	3.47	3.42	3.14	3.41	3.48	3.45	3.15	3.13	3.36	3.39	40.67
1939	2.18	3.79	5.23	4.54	1.29	2.70	0.75	2.14	1.01	4.77	1.14	2.91	32.45
1940	1.68	4.78	3.83	4.58	3.28	1.80	3.17	0.85	2.32	0.76	6.24	2.76	36.05
1941	4.21	1.70	3.40	1.70	2.43	4.29	2.90	1.55	1.18	1.92	2.85	3.08	31.21

*An unusual type of gage.

CAMBRIDGE, MASS. (Harvard College Observatory). Elevation, 75 feet.
Record January 1841 to December 1921 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.93	9.44	8.44	9.28	7.71	7.41	12.43	14.98	9.82	8.09	10.43	8.24	59.35
Year	1861	1920	1859	1904	1848	1860	1863	1856	1850	1890	1845	1901	1859
Min.	0.72	0.57	0.00	0.34	0.26	0.30	0.63	0.35	0.27	0.40	0.81	0.58	30.38
Year	1849	1856	1915	1844	1911	1921	1917	1854	1914	1897	1908	1866	1846
Av. 81 yrs.	3.89	3.63	3.89	3.66	3.44	3.09	3.46	4.13	3.49	3.43	3.89	3.55	43.55

CAMBRIDGE, MASS. (Prof. John Winthrop). Elevation, 40 feet.
Record August 1749 to December 1774 inclusive. (See p. 226, Vol. 44, No. 2.)

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.19	6.97	6.30	4.92	4.38	7.76	9.83	9.48	7.65	8.82	6.29	6.51	53.73
Year	1758	1771	1771	1772	1761	1753	1758	1751	1772	1753	1774	1761	1758
Min.	0.05	0.60	0.90	1.23	0.89	0.75	0.85	1.03	0.35	1.83	0.57	1.07	24.47
Year	1764	1765	1761	1768	1757	1769	1760	1769	1754	1769	1749	1769	1762
Av. 25 yrs.	2.94	2.79	3.04	2.74	2.96	3.40	4.21	4.15	3.12	4.12	3.73	3.22	40.42

CHARLES RIVER WATERSHED, MASS. (Above Brookline Pumping Sta.)
Record October 1913 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1913	———	———	———	———	———	———	———	———	———	7.40	2.18	3.31	———
1914	3.52	3.36	4.20	5.45	2.92	1.14	3.35	3.98	0.33	1.72	3.00	3.73	36.70
1915	6.31	3.31	T	2.13	1.86	1.38	9.37	5.26	0.72	2.64	2.43	5.30	40.71
1916	1.37	4.72	3.58	3.95	3.33	5.76	5.48	2.28	1.57	1.53	2.05	2.87	38.49
1917	3.30	2.21	4.34	2.42	5.26	4.28	1.11	8.42	2.60	6.05	0.80	2.03	42.82
1918	3.32	3.29	2.55	4.50	1.93	2.85	3.69	1.68	9.51	0.90	2.06	2.73	39.01
1919	3.53	3.14	4.74	2.91	4.32	1.64	5.02	4.56	6.15	2.39	4.93	1.95	45.28
1920	2.95	5.97	3.92	5.37	3.83	5.88	2.70	2.90	2.85	1.18	5.26	4.72	47.53
1921	2.70	3.43	2.94	5.34	2.73	3.75	8.03	1.53	1.63	1.04	7.04	2.51	42.67
1922	1.73	2.93	5.42	1.49	5.07	8.38	3.29	5.44	4.72	2.40	1.27	3.37	45.51
1923	6.62	1.86	2.81	5.60	1.02	4.13	3.61	2.35	1.12	5.51	4.48	4.99	44.10
1924	3.43	2.58	2.66	5.13	3.12	1.72	2.35	5.90	6.13	0.17	2.13	1.76	37.08
1925	3.45	2.01	5.15	2.59	2.59	3.19	5.29	1.01	4.32	3.87	3.59	4.28	41.34
1926	2.52	4.81	3.04	2.05	2.81	1.42	3.39	4.92	1.46	4.20	4.74	3.93	39.29
1927	2.54	3.24	1.34	2.14	2.82	1.85	3.64	10.08	3.41	4.72	5.80	4.99	46.57
1928	2.07	3.38	1.52	5.06	2.19	5.25	3.67	3.39	3.79	3.87	1.83	2.61	38.63
1929	3.90	3.21	3.22	7.29	3.35	2.71	1.53	1.69	2.29	3.04	3.01	3.70	38.94
1930	2.94	2.37	3.34	1.95	2.63	2.11	2.93	2.20	0.44	4.41	3.82	2.54	31.68
1931	2.96	2.74	5.02	2.92	4.37	8.34	2.96	5.10	1.76	2.21	0.79	2.67	41.84
1932	4.96	1.99	5.44	1.78	1.65	2.50	2.11	5.14	7.40	6.03	4.92	1.50	45.42
1933	1.80	3.26	6.21	5.66	2.25	1.94	2.26	3.07	9.49	2.88	0.98	3.87	43.67
1934	3.55	3.18	4.20	3.73	2.67	4.18	2.40	2.83	6.31	3.62	3.11	2.89	42.67
1935	6.60	3.09	1.55	5.47	2.46	5.52	2.71	2.23	3.65	0.67	4.83	0.92	39.70
1936	7.76	3.14	8.34	3.25	1.91	2.44	1.63	6.79	6.14	1.91	1.46	8.47	53.24
1937	4.38	2.12	3.73	4.74	2.95	3.98	1.70	6.89	3.21	3.78	6.44	3.74	47.66
1938	4.49	2.35	2.45	2.84	4.90	8.89	11.61	3.75	6.74	2.40	3.19	3.10	56.71
Av. 25 yrs.	3.71	3.11	3.67	3.83	3.00	3.81	3.83	4.13	3.91	2.92	3.36	3.41	42.69
1939	2.48	3.99	4.17	4.28	1.43	3.24	1.29	4.92	1.64	5.44	1.22	2.96	37.06
1940	2.45	4.63	3.46	5.44	3.94	2.89	3.82	1.55	2.37	1.34	6.27	2.43	40.59
1941	3.10	2.27	2.13	1.38	2.68	4.96	4.53	3.14	0.29	1.63	2.72	3.49	32.32

CHARLTON, MASS. (Charlton Depot). Elevation, 880 feet.
Record July 1920 to December 1939 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.55	8.88	5.64	6.72	5.23	7.87	7.92	6.18	8.23	5.56	5.93	6.10	47.78
Year	1923	1926	1922	1923	1922	1922	1921	1927	1920	1927	1927	1927	1923
Min.	1.22	1.63	1.32	1.96	1.45	1.45	2.78	1.63	1.63	0.17	1.56	1.66	38.07
Year	1922	1924	1928	1922	1923	1926	1924	1925	1923	1924	1922	1928	1928
1929	3.89	3.81	2.50	5.48	5.42	3.41	0.92	3.30	4.63	3.01	2.94	3.06	42.37
1930	2.03	1.95	2.76	2.05	3.36	3.11	3.76	1.37	1.75	2.89	2.91	1.81	29.75
1931	3.16	3.39	4.88	2.94	4.76	6.04	2.86	6.20	1.03	1.99	1.16	3.08	41.49
1932	3.94	1.67	3.96	1.56	2.02	4.35	2.79	5.73	6.91	6.08	4.28	1.49	44.78
1933	2.06	3.27	5.02	4.63	2.86	3.17	2.69	6.21	8.55	2.92	1.52	1.83	44.73
1934	3.67	5.19	3.42	4.15	4.27	5.26	3.04	3.06	9.68	2.87	3.25	3.30	51.16
1935	4.37	3.04	1.80	2.29	2.18	5.13	2.84	1.84	4.23	0.69	3.38	1.07	32.86
1936	6.01	2.76	11.11	3.51	3.33	2.08	1.92	4.13	5.56	3.55	1.40	5.02	50.38
1937	4.22	1.89	2.86	4.39	3.86	4.07	5.40	4.51	4.00	5.37	7.43	2.02	50.02
1938	4.10	1.66	2.47	2.50	3.60	4.47	9.06	3.36	12.54	2.45	2.34	2.06	50.61
Av. 18 yrs.	3.41	3.06	3.69	3.55	3.30	4.17	4.03	4.02	4.41	3.22	3.48	2.77	43.11
1939	1.30	2.61	6.96	4.01	1.19	3.22	1.34	3.74	2.62	6.09	1.29	3.73	38.10
1940	3.05	3.94	4.96	6.18	5.28	2.34	3.96	1.79	2.27	1.50	6.63	2.07	43.97
1941	1.96	2.73	0.55	0.99	2.47	2.24	4.96	4.32	0.63	2.38	2.63	3.64	29.50

CHATHAM (Chatham Light). Elevation, 40 feet.
Record April 1931 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1931	——	——	——	3.47	7.02	6.40	9.54	3.20	1.45	6.23	0.78	3.46	——
1932	6.43	2.37	3.31	0.82	1.84	2.19	2.11	4.16	3.04	6.84	2.18	1.58	36.87
1933	3.07	3.44	6.33	4.60	1.83	1.78	4.02	7.13	9.52	7.40	2.60	2.51	54.23
1934	3.04	4.14	2.74	3.56	1.15	1.50	1.48	1.67	1.99	5.94	2.76	4.51	34.48
1935	3.53	2.10	2.40	3.54	1.80	6.32	5.52	2.00	5.02	1.60	3.46	0.92	38.21
1936	4.46	1.86	4.86	1.63	1.26	3.72	1.86	4.90	7.34	3.64	1.82	7.76	45.11
1937	3.47	1.66	3.78	3.86	2.66	3.73	1.36	4.81	2.87	4.46	3.40	2.35	38.41
1938	2.52	1.93	2.96	3.12	3.30	5.50	4.72	1.18	6.66	4.92	3.04	4.32	44.17
Av. 7 yrs.	3.79	2.50	3.07	3.02	1.98	3.53	3.01	3.69	5.21	4.97	2.75	3.42	41.64
1939	3.74	5.02	5.50	3.28	1.36	2.84	0.40	4.00	2.40	4.06	2.12	1.34	36.06
1940	1.72	4.48	1.94	6.52	1.00	0.20	3.19	0.77	6.93	2.26	5.10	3.54	37.65
1941	3.69	1.17	2.10	4.12	2.72	6.38	4.69	4.54	0.09	2.60	1.98	1.80	35.88

CHESTER, MASS. Elevation, 600 feet.
Record January 1913 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.64	4.84	6.32	7.14	6.77	7.44	8.49	8.68	8.05	8.14	11.01	5.71	60.37
Year	1923	1916	1913	1924	1919	1922	1915	1915	1924	1927	1927	1927	1927
Min.	1.63	1.86	0.21	1.23	1.25	0.23	1.09	0.50	0.40	0.00	1.03	1.22	32.23
Year	1922	1923	1915	1917	1921	1913	1917	1917	1914	1924	1917	1928	1914
1929	4.20	3.83	3.66	8.37	4.15	5.09	1.01	1.82	3.28	6.15	2.97	3.56	48.09
1930	2.15	1.74	4.48	2.17	4.87	5.19	3.93	1.99	2.47	1.71	4.05	1.53	36.28
1931	3.09	2.33	4.46	2.86	7.32	4.60	4.39	4.91	2.15	3.17	1.88	2.85	44.01
1932	5.94	2.47	5.10	2.18	1.71	2.56	3.63	3.95	2.41	6.35	7.45	1.95	45.70
1933	2.61	3.29	5.99	5.10	3.06	2.46	2.50	7.93	9.97	2.98	1.13	3.93	50.95
1934	3.78	2.39	2.46	5.60	4.14	6.29	2.28	3.11	8.82	2.65	3.73	2.99	48.24
1935	4.77	2.55	1.99	2.32	3.41	4.31	3.64	0.54	4.00	1.08	5.59	1.16	35.36
1936	5.87	2.94	10.47	3.69	2.73	1.59	2.36	4.64	5.46	3.52	1.95	5.88	51.10
1937	5.37	3.27	3.35	3.99	6.85	6.35	2.83	6.74	5.01	6.15	6.06	3.14	59.11
1938	4.59	2.25	2.36	2.94	4.04	9.15	7.11	4.49	12.61	2.15	3.06	3.73	58.48
Av. 26 yrs.	3.63	3.11	3.61	3.72	3.72	4.11	3.90	4.07	4.27	3.38	3.97	3.23	44.72
1939	2.51	3.23	4.19	4.48	0.79	5.39	2.68	5.13	4.24	4.20	1.61	2.54	40.99
1940	2.53	3.65	5.12	5.00	6.84	3.52	1.77	2.70	1.68	1.73	6.15	2.69	43.38
1941	2.76	2.73	1.85	0.75	4.13	6.56	4.92	4.47	1.01	3.03	3.38	4.55	40.14

CHESTERFIELD, MASS. Elevation, 1,360 feet.
Record October 1919 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.46	4.75	6.52	8.83	6.44	9.22	7.85	7.66	11.80	7.43	11.13	5.82	58.92
Year	1923	1920	1922	1924	1922	1928	1925	1928	1924	1927	1927	1927	1927
Min.	1.41	1.86	0.98	2.03	1.94	1.87	2.35	2.64	1.59	0.00	1.60	1.03	37.64
Year	1922	1923	1924	1922	1926	1924	1924	1921	1926	1924	1928	1928	1926
1929	3.67	3.80	3.58	6.58	4.52	2.38	0.84	2.37	3.48	5.75	3.26	3.91	44.14
1930	2.40	1.46	4.66	2.33	4.75	6.34	3.84	3.17	2.19	1.87	3.79	1.35	38.15
1931	3.05	2.02	4.06	2.70	7.89	5.89	4.33	3.10	3.26	3.47	1.76	4.06	45.59
1932	5.08	2.23	3.97	2.37	2.20	2.67	3.65	4.87	2.65	6.92	8.54	1.90	47.05
1933	2.46	3.19	5.61	5.09	2.37	4.65	3.52	11.51	13.88	3.67	0.84	3.23	60.02
1934	3.52	2.49	3.89	4.46	4.26	6.81	3.30	3.15	9.73	2.80	4.04	2.72	51.17
1935	4.50	2.29	1.28	1.69	3.53	5.21	4.08	0.82	4.79	1.08	4.48	1.20	34.95
1936	4.84	2.30	9.51	4.89	2.00	2.56	1.66	5.63	4.69	3.17	2.13	4.74	48.12
1937	5.21	4.65	3.95	4.26	7.80	6.26	1.70	5.89	4.47	7.29	6.76	2.95	61.19
1938	4.76	1.77	2.17	2.81	4.02	8.34	10.37	4.42	13.12	2.59	2.52	3.65	60.54
Av. 19 yrs.	3.49	2.89	3.83	3.97	4.00	4.93	4.21	4.30	5.33	3.65	4.41	3.13	48.14
1939	3.11	3.65	4.04	5.07	1.24	3.85	2.71	4.29	3.96	4.07	1.18	2.72	39.89
1940	2.25	3.88	5.42	5.49	6.36	2.92	3.12	1.59	2.12	1.41	5.95	2.92	43.43
1941	1.78	2.88	1.77	0.77	3.43	6.67	4.51	4.73	1.20	3.25	3.41	4.58	38.98

CHESTNUT HILL, MASS. (Chestnut Hill Reservoir).* Elevation, 124 feet.
Record January 1873 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.93	8.74	8.78	9.18	7.14	9.80	9.53	7.50	10.02	9.21	8.29	8.25	60.24
Year	1923	1900	1877	1904	1901	1922	1889	1917	1907	1895	1876	1901	1888
Min.	1.64	0.77	T	0.75	0.58	0.20	1.00	0.28	0.35	0.12	1.08	0.72	——
Year	1922	1901	1915	1892	1911	1894	1917	1883	1914	1924	1917	1875	——
1929	4.18	4.51	2.90	9.19	3.28	3.32	1.59	1.57	1.40	2.68	2.98	3.88	41.48
1930	3.03	2.30	3.37	2.17	3.21	1.99	3.71	2.86	0.51	6.02	4.15	3.10	36.42
1931	3.78	3.47	4.93	3.06	4.42	9.14	1.89	5.77	1.90	2.33	0.92	3.16	44.77
1932	5.16	2.92	5.58	1.77	1.47	2.27	1.63	4.85	5.15	8.14	5.62	2.06	46.62
1933	2.37	4.41	6.62	6.27	2.90	1.83	2.04	3.27	10.92	3.61	0.96	3.48	48.68
1934	3.83	3.97	5.34	2.92	2.58	4.47	1.87	2.14	6.68	3.31	3.02	2.70	42.83
1935	7.82	3.01	1.63	5.61	1.65	6.42	1.67	2.47	3.45	0.64	4.98	0.94	40.29
1936	7.15	3.43	7.10	3.38	1.82	2.05	1.55	6.01	4.27	3.21	1.62	8.31	49.90
1937	4.07	1.55	3.67	4.84	3.00	3.26	1.06	4.60	3.71	4.48	5.24	4.15	43.63
1938	4.13	2.42	2.46	2.83	4.63	7.27	9.73	3.99	6.81	2.83	2.83	2.85	52.78
Av. 66 yrs.	4.12	3.96	4.07	3.89	3.29	3.44	3.54	3.93	3.63	3.61	3.83	3.67	44.98
1939	2.23	3.88	5.23	4.76	1.33	3.75	0.79	3.50	1.24	5.05	1.21	3.27	36.24
1940	2.16	4.55	3.67	4.99	3.50	1.79	3.85	1.81	2.73	0.87	6.36	2.58	38.86
1941	3.03	1.66	2.10	1.64	2.27	3.97	3.35	3.00	0.47	2.00	2.69	3.26	29.44

*Snow table used.

CHICOPEE, MASS. (Bircham Bend). Elevation, 120 feet.
Record May 1929 to August 1938 inclusive.*

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1929	——	——	——	——	5.40	1.38	0.41	2.24	3.42	2.89	2.39	3.54	——
1930	1.67	1.68	3.30	1.03	4.81	5.61	5.26	1.58	2.02	2.33	3.28	1.56	34.13
1931	2.98	1.56	3.65	2.35	6.73	4.95	2.72	5.17	2.02	2.54	1.19	3.58	39.44
1932	4.12	2.18	4.17	1.75	1.84	5.73	3.92	4.28	3.79	4.19	5.20	1.47	42.64
1933	1.92	2.82	4.90	5.26	2.53	2.68	1.21	6.59	8.65	3.65	0.81	3.08	44.10
1934	3.69	2.85	2.99	4.38	4.74	6.29	2.30	3.90	9.56	2.71	3.72	2.22	49.35
1935	5.08	2.97	2.12	2.94	2.23	5.51	3.11	0.61	4.72	0.98	3.24	0.97	34.48
1936	5.85	2.75	5.65	4.41	3.23	3.80	2.72	3.94	4.31	2.43	1.95	6.28	47.32
1937	4.99	1.44	2.80	4.07	5.31	5.83	3.48	5.97	4.10	4.64	5.53	2.72	50.88
1938	5.31	2.04	2.17	3.17	3.98	8.20	9.28	2.44	——	——	——	——	——
Av. 8 yrs.	3.79	2.28	3.70	3.27	3.93	5.05	3.09	4.00	4.90	2.93	3.11	2.74	42.79

*Gage, record and observer perished during the flood of Sept. 1938.

CHICOPEE, MASS. (Dwight Mfg. Co.). Elevation, 75 feet.
Record January 1869 to December 1928 and August 1929 to December 1932 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	9.79	9.00	9.16	9.58	7.84	11.33	18.45	13.15	12.31	13.72	8.60	8.44	65.34
Year	1923	1900	1896	1901	1901	1871	1897	1928	1882	1869	1927	1901	1897
Min.	0.60	0.38	0.24	0.78	0.14	0.44	1.73	0.70	0.24	0.09	0.48	0.50	31.62
Year	1896	1877	1915	1869	1905	1912	1923	1882	1914	1924	1905	1887	1883
Av. 60 yrs.	3.54	3.68	4.07	3.58	3.73	3.86	4.63	4.58	3.99	4.15	3.82	3.41	47.04
1929	—	—	—	—	—	—	—	1.63	2.66	3.40	2.95	3.55	—
1930	1.62	1.74	3.60	1.09	4.79	5.01	6.73	1.29	1.68	2.16	3.41	1.50	34.62
1931	3.42	1.66	3.65	2.62	6.63	5.13	4.64	4.47	1.34	2.22	1.11	3.70	40.59
1932	4.59	3.30	3.99	1.59	1.59	9.09	4.34	3.34	3.61	5.68	5.20	1.47	47.79

CLINTON, MASS. (Bigelow Carpet Co.). Elevation, 300 feet.
Record April 1877 to December 1913 (except 1878 and 1879) inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.46	7.47	8.55	4.93	7.18	8.98	8.17	10.26	9.74	9.49	8.68	9.69	57.38
Year	1891	1900	1881	1895	1912	1903	1889	1887	1907	1890	1877	1901	1888
Min.	1.60	0.22	0.92	0.55	0.76	0.26	1.50	0.49	0.31	0.31	0.64	0.94	27.43
Year	1906	1895	1885	1892	1903	1912	1910	1883	1877	1892	1902	1892	1894
Av. 34 yrs.	3.74	3.63	3.85	2.87	3.22	2.93	3.56	3.87	3.43	3.62	3.35	3.65	41.72

CLINTON, MASS. (Metropolitan Water Works). Elevation, 370 feet.
Record January 1902 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.88	7.22	6.35	8.63	7.32	12.19	8.38	11.29	9.99	6.48	9.15	6.92	59.27
Year	1923	1909	1925	1904	1912	1903	1915	1927	1907	1913	1927	1927	1927
Min.	1.54	1.78	0.06	1.59	0.82	0.27	1.28	1.47	0.25	0.04	1.33	1.80	38.50
Year	1916	1905	1915	1922	1903	1912	1917	1907	1914	1924	1908	1924	1908
1929	4.67	4.15	3.72	7.03	4.67	5.51	1.11	0.99	2.14	3.58	3.40	3.89	44.86
1930	2.13	1.93	4.12	2.01	3.02	2.19	4.18	1.68	1.53	4.67	4.76	2.91	35.13
1931	3.63	2.82	5.65	3.18	5.59	6.52	2.54	6.26	1.15	2.68	1.28	3.89	45.19
1932	5.48	3.64	4.87	1.83	1.46	2.87	2.74	5.11	7.86	6.02	4.74	2.28	48.90
1933	2.45	4.02	6.09	6.07	2.23	1.79	1.79	3.97	10.36	3.01	1.23	3.90	46.91
1934	4.23	4.66	3.79	3.74	3.98	4.10	2.90	1.94	11.14	4.19	2.57	3.71	50.95
1935	7.36	3.44	1.81	3.95	2.07	7.03	3.21	1.76	4.25	0.69	5.16	1.26	42.49
1936	8.00	3.45	10.24	3.30	3.42	2.75	2.80	4.96	3.09	4.20	1.62	8.48	56.31
1937	5.39	2.11	3.90	5.26	4.03	3.96	2.26	5.27	3.91	4.52	7.78	3.79	52.18
1938	4.72	2.55	2.82	3.31	3.68	7.06	10.15	2.70	9.65	2.46	3.75	3.44	56.29
Av. 37 yrs.	4.01	3.71	4.20	3.92	3.25	4.17	3.83	3.81	4.19	3.27	3.69	3.95	46.00
1939	2.62	4.29	5.13	4.24	1.89	3.01	3.23	3.47	2.51	4.51	0.97	3.16	39.03
1940	3.16	5.60	4.81	5.68	5.28	2.66	3.60	1.32	2.78	1.01	7.20	2.57	45.67
1941	3.91	2.12	2.72	0.92	2.28	2.03	2.41	2.76	0.53	1.88	3.53	3.26	28.35

CLINTON, MASS. (Clinton Wire Cloth Co.). Elevation, 300 feet.
Record January 1880 to December 1885 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.76	5.99	6.90	5.78	4.95	5.50	8.12	6.40	8.45	5.17	7.23	6.66	53.45
Year	1885	1884	1884	1884	1882	1884	1880	1885	1882	1885	1885	1884	1884
Min.	2.29	2.40	0.91	1.57	1.84	2.38	1.52	0.49	0.73	2.12	0.80	1.40	32.78
Year	1883	1880	1885	1883	1880	1880	1882	1883	1884	1884	1882	1882	1883
Av. 6 yrs.	4.35	4.06	3.53	2.99	3.52	3.94	3.44	2.89	3.09	3.49	2.91	3.54	41.75

CLINTON, MASS. (Lancaster Mills). Elevation, 370 feet.
Record January 1878 to December 1903 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.10	7.55	6.65	8.45	5.90	10.93	7.29	9.80	9.94	9.55	6.15	8.00	53.20
Year	1891	1900	1900	1901	1893	1903	1889	1887	1882	1895	1878	1901	1878
Min.	0.95	0.60	0.90	0.43	0.10	0.35	0.90	0.45	0.75	0.39	0.40	0.75	30.26
Year	1901	1901	1898	1892	1903	1901	1893	1883	1884	1892	1902	1892	1883
Av. 26 yrs.	3.30	3.45	3.68	2.88	2.78	3.01	3.48	3.76	3.06	3.73	3.27	3.55	39.95

COHASSET, MASS. Elevation, 50 feet.
Record August 1895 to December 1903 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.22	9.17	7.34	8.76	7.95	6.75	9.69	8.95	7.88	8.47	7.65	8.49	64.91
Year	1899	1898	1903	1901	1901	1903	1901	1898	1899	1895	1897	1901	1898
Min.	1.74	0.87	3.16	1.48	0.76	1.54	2.59	1.22	1.15	0.99	1.68	1.14	42.06
Year	1902	1901	1897	1896	1903	1898	1896	1899	1903	1907	1902	1898	1899
Av. 8 yrs.	3.46	4.81	5.50	4.25	3.56	3.58	4.67	3.46	3.94	4.12	4.52	3.69	49.56

COHASSET, MASS. (Beechwood). Elevation, 40 feet.
Record June 1935 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1935	——	——	——	——	——	6.19	1.91	5.16	3.03	0.88	7.35	1.17	——
1936	5.73	2.65	7.08	4.31	2.28	2.95	2.16	7.05	9.31	1.56	1.77	10.02	56.87
1937	4.82	1.16	3.38	5.25	2.91	4.19	0.96	5.88	6.84	4.69	5.51	3.86	49.45
1938	3.80	1.99	2.82	2.18	4.95	8.76	8.38	2.37	6.91	3.97	2.95	3.50	52.58
1939	2.32	3.93	3.69	3.72	1.27	3.29	0.77	2.95	1.95	5.85	2.19	2.10	34.03
1940	1.75	4.65	3.50	7.42	4.69	2.88	3.89	2.32	4.41	2.17	7.14	3.00	47.82
1941	3.88	1.90	1.97	2.70	3.48	3.25	2.95	3.99	0.34	2.02	2.26	3.45	32.19

COLRAIN, MASS. Elevation, 500 feet.
Record January 1913 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.81	5.92	7.06	8.83	8.50	7.62	10.16	13.22	8.09	9.06	8.55	6.37	54.75
Year	1923	1916	1922	1924	1919	1928	1915	1915	1924	1917	1927	1915	1920
Min.	1.71	1.47	0.13	1.70	1.26	0.75	1.42	1.59	0.94	0.05	1.63	0.73	36.37
Year	1921	1917	1915	1927	1915	1913	1913	1916	1917	1924	1922	1928	1914
1929	3.48	4.10	3.39	6.84	3.86	1.83	1.00	1.84	2.67	4.62	2.66	4.14	40.43
1930	2.91	0.80	5.25	2.00	3.88	5.30	4.06	2.64	1.72	2.38	4.14	1.21	36.29
1931	3.04	2.56	4.29	3.55	6.90	4.95	4.99	4.44	2.82	2.46	1.49	3.95	45.44
1932	4.92	2.37	3.53	2.85	1.85	1.27	3.83	3.62	2.80	6.02	8.22	1.91	43.19
1933	2.46	3.12	4.93	5.92	1.58	1.52	2.02	7.42	6.79	3.41	0.89	3.21	43.27
1934	3.28	1.93	3.62	4.89	3.34	6.04	4.56	2.75	8.13	2.24	3.82	2.62	47.22
1935	5.68	2.50	1.73	2.08	2.50	6.33	5.29	0.88	5.56	1.17	6.03	1.10	40.85
1936	6.40	2.48	9.59	4.07	1.53	2.47	3.56	5.95	2.33	3.44	2.15	6.84	50.81
1937	5.08	3.71	3.99	4.88	7.90	4.95	2.28	4.62	5.15	7.07	7.17	2.65	59.45
1938	4.49	1.73	2.33	2.64	3.99	5.12	7.17	2.85	11.69	2.24	2.83	3.76	50.84
Av. 26 yrs.	3.56	2.96	3.83	3.94	3.68	3.83	3.97	3.89	4.29	3.50	4.11	3.25	44.81
1939	2.51	3.23	3.48	5.79	1.43	4.69	2.02	2.81	3.01	4.06	1.12	2.56	36.71
1940	2.42	3.47	5.25	4.97	6.65	3.33	4.24	2.98	2.58	1.38	6.08	3.40	46.75
1941	2.36	3.54	1.99	0.96	1.73	3.81	3.28	3.78	0.81	2.41	3.79	5.07	33.53

CONCORD, MASS. Elevation, 139 feet.
Record January 1891 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.16	6.11	6.13	9.40	7.52	10.04	11.64	8.94	9.05	6.80	8.69	7.47	51.89
Year	1923	1900	1925	1904	1901	1922	1915	1898	1907	1895	1895	1901	1898
Min.	1.35	0.85	T	0.71	0.29	0.26	1.63	1.17	0.12	0.08	0.85	0.99	30.77
Year	1916	1895	1915	1892	1911	1912	1910	1907	1914	1924	1902	1892	1894
1929	3.39	3.90	3.07	6.72	3.63	3.63	1.14	3.50	1.50	2.48	2.90	3.88	39.74
1930	2.50	2.17	3.31	1.90	2.61	2.20	6.08	1.53	0.69	5.04	3.75	2.89	34.67
1931	3.66	2.33	5.42	2.67	3.35	7.11	1.77	4.92	1.54	2.18	1.24	3.74	39.93
1932	4.26	2.34	5.64	1.83	1.61	2.47	1.64	5.16	8.67	7.06	4.53	1.64	46.85
1933	2.26	4.02	6.59	6.28	2.24	1.50	2.70	3.84	11.95	3.55	0.88	3.78	49.59
1934	3.40	3.92	3.02	4.84	3.32	3.52	0.84	2.63	8.34	2.88	2.16	2.83	41.70
1935	6.64	3.21	1.54	3.97	1.47	5.52	1.64	1.74	3.77	0.43	4.65	1.02	35.60
1936	6.54	3.20	8.00	2.62	2.64	2.39	1.32	4.31	3.49	3.53	1.53	7.33	46.90
1937	4.39	2.24	3.54	4.44	2.96	3.98	1.34	4.81	2.99	3.14	5.20	3.63	42.66
1938	4.01	1.80	1.99	2.96	3.64	6.79	9.72	2.93	12.20	1.96	3.08	2.93	54.01
Av. 48 yrs.	3.41	3.23	3.54	3.45	3.07	3.45	3.49	3.51	3.87	3.03	3.34	3.37	40.76
1939	1.96	3.49	4.18	4.70	2.21	2.34	0.28	3.77	2.24	5.22	0.93	2.99	34.31
1940	2.34	4.06	3.22	4.86	3.90	2.69	4.25	1.02	3.51	1.21	6.07	2.90	40.03
1941	3.45	1.59	2.16	0.97	2.12	2.58	2.71	1.63	1.98	1.77	2.52	3.06	26.54

COTUIT, MASS. Elevation, 60 feet.
Record January 1885 to December 1892 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.50	5.75	7.06	4.98	6.48	4.39	4.42	5.20	9.80	10.14	7.55	5.11	51.35
Year	1891	1891	1890	1887	1888	1885	1888	1889	1888	1891	1892	1886	1891
Min.	2.28	1.80	1.49	1.51	2.18	1.29	0.68	1.78	1.82	1.96	1.45	2.13	38.45
Year	1890	1888	1885	1886	1887	1886	1885	1888	1887	1892	1890	1892	1892
Av. 8 yrs.	4.37	3.63	4.38	2.97	3.88	2.50	2.47	4.15	4.28	5.23	4.08	3.60	45.54

CUMMINGTON, MASS. Elevation, 1020 feet.
Record April 1903 to June 1907—October 1919 to December 1941 inclusive except 1930.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.41	4.72	5.02	8.43	5.87	11.06	7.29	6.84	9.61	6.77	10.18	6.23	53.57
Year	1923	1920	1922	1924	1922	1903	1925	1928	1924	1927	1927	1927	1920
Min.	1.93	1.77	1.39	2.02	0.64	1.42	2.60	2.28	1.72	0.03	1.92	1.27	38.64
Year	1906	1905	1924	1927	1903	1924	1906	1921	1903	1924	1903	1928	1906
1929	4.26	4.10	3.97	8.66	3.92	4.26	1.06	2.49	3.93	4.04	3.23	4.33	48.25
1930	2.62	1.40	——	——	——	——	——	——	1.40	1.87	4.36	1.59	——
1931	3.29	2.48	4.02	2.44	6.61	5.52	5.21	2.81	2.85	2.48	2.24	3.93	43.88
1932	5.46	2.61	4.69	2.21	2.21	2.78	3.81	4.47	2.35	7.45	7.80	2.31	48.15
1933	2.85	3.55	5.42	5.42	2.43	2.60	3.89	9.46	9.40	3.48	1.31	3.91	53.72
1934	4.04	3.27	3.87	4.31	3.59	6.11	3.55	3.11	8.61	2.49	4.41	3.62	50.98
1935	5.72	2.92	2.17	2.97	2.59	5.51	3.01	1.06	4.98	1.20	5.72	1.44	39.29
1936	6.51	2.62	9.99	4.46	2.45	1.73	1.99	5.43	4.18	3.49	2.30	6.22	51.37
1937	5.84	3.64	4.27	4.63	6.26	4.79	2.33	5.35	5.07	6.57	5.79	2.80	57.34
1938	4.93	2.07	2.79	2.71	3.43	6.87	6.90	2.93	11.30	2.20	3.59	3.93	53.65
Av. 21 yrs.	4.03	3.23	3.96	4.16	3.40	4.55	3.88	4.20	4.98	3.44	4.37	3.58	47.78
1939	2.75	3.85	3.91	5.79	2.50	3.83	1.41	2.52	3.80	3.90	1.39	2.76	38.41
1940	2.38	4.18	5.38	5.36	5.64	3.61	2.51	1.50	1.69	1.07	6.01	3.19	42.52
1941	2.64	2.86	2.06	0.85	3.91	3.52	3.04	4.71	1.25	3.86	3.51	4.62	36.83

DALTON, MASS. Elevation, 1,200 feet.
Record January 1906 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.05	5.25	6.70	6.05	7.20	7.63	10.86	7.23	8.07	7.52	11.02	6.73	47.73
Year	1923	1909	1913	1920	1919	1928	1915	1928	1907	1907	1927	1915	1915
Min.	2.04	1.72	0.17	1.33	1.37	1.20	1.70	1.91	0.41	0.04	0.62	0.80	33.26
Year	1912	1911	1915	1927	1921	1919	1909	1907	1914	1924	1917	1928	1917
1929	3.05	3.54	4.02	7.06	3.04	2.07	0.66	1.19	4.37	2.93	2.51	3.37	37.81
1930	2.08	2.00	4.50	1.79	4.04	3.97	5.74	2.87	1.14	1.33	2.89	1.11	33.46
1931	2.89	1.67	3.37	2.27	5.46	4.09	4.77	2.80	2.64	2.09	1.67	3.43	37.15
1932	5.99	1.85	5.37	1.91	2.71	2.34	4.94	5.35	2.38	4.78	6.48	1.88	45.98
1933	2.42	3.47	4.92	4.23	2.93	2.53	5.46	6.96	8.84	3.12	1.92	3.83	50.63
1934	3.31	2.36	2.42	4.65	3.44	6.15	3.88	3.51	8.75	2.32	5.02	2.73	48.54
1935	6.55	2.37	1.66	2.13	2.87	4.72	5.15	1.20	4.01	1.90	4.98	1.39	38.93
1936	5.12	2.16	7.87	4.96	2.78	1.63	2.30	6.10	3.77	2.79	2.48	5.21	47.17
1937	5.43	2.83	3.78	3.38	6.70	7.17	1.80	4.22	5.42	4.84	3.80	2.92	52.29
1938	3.84	1.76	3.67	2.05	3.62	6.66	9.50	5.09	10.40	1.81	3.21	3.48	55.09
Av. 33 yrs.	3.40	2.75	3.60	3.42	3.48	3.57	4.26	3.84	4.17	3.12	3.58	2.99	42.18
1939	3.00	3.23	3.20	8.32	2.81	4.62	2.79	3.18	5.54	5.03	1.51	2.76	45.99
1940	2.01	3.18	5.17	4.61	5.43	4.72	2.88	3.37	2.44	0.99	4.13	2.66	41.59
1941	1.77	2.36	1.64	0.68	2.79	3.60	5.88	6.17	1.59	3.45	1.79	4.32	36.04

DANA, MASS. (Post Office). Elevation, 580 feet.
Record August 1919 to April 1925 inclusive except February 1925.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.33	4.32	5.43	7.61	4.65	14.06	11.62	6.74	6.79	5.19	7.14	6.20	57.54
Year	1923	1920	1925	1921	1922	1922	1921	1921	1920	1923	1921	1920	1921
Min.	1.69	1.59	1.66	2.15	2.18	2.11	2.43	1.81	2.16	0.15	1.93	1.81	33.61
Year	1922	1923	1924	1922	1923	1924	1923	1923	1923	1924	1922	1921	1924
Av. 5 yrs.	3.45	2.81	3.20	5.47	3.17	6.05	5.40	3.82	4.00	2.42	4.15	3.46	47.40

DANA, MASS. (Southworth's Mills). Elevation, 550 feet.
Record May 1923 to December 1937 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	3.08	3.81	5.24	5.81	5.13	6.76	7.89	6.85	4.91	5.25	7.71	5.66	55.31
Year	1924	1927	1925	1924	1927	1928	1927	1928	1924	1926	1927	1927	1927
Min.	2.28	2.21	1.82	2.32	1.73	1.56	2.26	1.45	1.50	0.03	2.44	1.13	34.96
Year	1926	1924	1924	1927	1926	1924	1923	1925	1926	1924	1928	1928	1924
1929	4.28	3.30	3.91	6.92	4.09	2.82	0.90	1.27	3.54	1.99	3.19	3.75	39.96
1930	2.07	2.10	3.24	1.40	3.11	3.67	7.14	1.28	2.82	2.84	3.54	1.63	34.84
1931	2.72	1.95	4.10	2.86	6.31	4.16	3.19	7.56	2.70	3.24	1.74	3.51	44.04
1932	4.64	2.75	4.63	2.07	1.48	2.24	5.30	3.55	5.91	4.42	4.18	1.69	42.86
1933	1.77	3.24	4.12	5.66	1.95	3.47	2.09	6.62	9.55	4.85	1.06	3.04	47.42
1934	3.63	3.36	3.97	4.40	4.25	5.05	6.37	3.26	9.44	3.15	4.35	2.84	54.07
1935	4.49	2.14	2.13	3.74	3.38	4.83	3.49	1.13	3.45	1.62	4.21	0.89	35.50
1936	7.17	3.08	8.97	4.80	2.64	3.02	2.31	5.32	5.67	2.61	1.97	6.77	54.33
1937	5.05	2.31	2.67	4.39	5.10	5.42	3.48	6.27	5.36	3.96	6.63	2.12	52.76
Av. 14 yrs.	3.47	2.84	3.68	4.03	3.41	3.90	4.23	4.24	4.58	3.22	3.75	2.90	44.25

DANA, MASS. (North Dana). Elevation, 520 feet.
Record October 1919 to May 1937 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.21	5.11	5.84	8.61	4.71	11.46	6.79	8.28	6.79	5.85	8.71	6.20	53.86
Year	1923	1926	1922	1921	1927	1922	1927	1928	1920	1926	1927	1920	1927
Min.	2.12	2.11	1.24	1.97	1.61	1.15	2.09	1.90	1.41	0.08	1.77	1.39	33.31
Year	1922	1924	1924	1927	1926	1924	1924	1925	1923	1924	1922	1928	1924
1929	4.98	3.44	3.60	6.26	4.52	3.40	0.99	1.65	3.29	2.21	3.09	3.15	40.58
1930	2.23	2.13	3.49	1.07	3.24	3.44	6.14	2.12	3.04	2.46	3.65	1.58	34.59
1931	3.20	1.73	4.60	2.73	5.41	4.05	1.95	7.05	2.03	3.34	1.99	3.92	42.00
1932	4.96	2.94	5.39	1.92	2.23	1.90	6.32	4.23	5.72	4.17	4.27	2.40	46.45
1933	2.62	4.42	6.14	5.98	1.84	2.56	2.85	6.49	11.82	5.36	1.55	3.63	55.26
1934	3.51	3.34	3.24	4.62	4.86	5.45	3.75	3.12	8.84	2.64	4.84	2.86	51.07
1935	5.77	3.06	1.93	3.45	3.80	5.82	2.83	1.27	5.18	1.51	4.24	0.71	39.57
1936	7.83	3.54	9.36	4.09	2.46	4.24	3.41	6.26	6.69	2.95	2.03	6.31	59.17
1937	5.63	1.52	3.18	4.29	5.09	———	———	———	———	———	———	———	———
Av. 17 yrs.	3.81	3.29	3.91	4.16	3.33	4.38	3.97	4.13	4.64	3.11	4.01	3.37	46.11

DANVERS, MASS. Elevation, 100 feet.
Record May 1911 to December 1929 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.97	5.72	6.62	6.72	5.67	10.02	10.04	6.09	8.05	7.04	6.23	5.70	46.12
Year	1923	1920	1925	1914	1922	1922	1915	1915	1918	1913	1921	1925	1922
Min.	1.16	1.57	0.02	1.37	0.19	0.24	1.38	1.93	0.17	0.05	0.95	1.37	31.02
Year	1916	1923	1915	1927	1911	1912	1920	1920	1914	1924	1922	1914	1926
1929	3.31	3.05	3.08	6.83	3.71	1.72	1.03	2.96	2.47	2.31	2.87	3.84	37.18
Av. 18 yrs.	2.98	2.98	2.98	3.89	3.17	3.25	3.35	3.32	3.12	2.81	3.18	3.21	38.24

DEERFIELD, MASS. Elevation, 140 feet.
Record January 1921 to September 1925 inclusive except June 1925.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.37	3.98	7.45	5.66	6.14	8.02	5.66	4.21	4.92	6.65	7.37	4.55	45.81
Year	1923	1925	1922	1921	1922	1922	1921	1922	1924	1923	1921	1923	1923
Min.	2.07	1.72	0.80	1.94	2.10	0.60	2.31	2.44	2.72	0.00	1.90	1.13	29.52
Year	1921	1923	1924	1922	1925	1924	1924	1921	1922	1924	1924	1922	1924
Av. 4 yrs.	3.69	2.12	3.48	3.75	3.89	3.96	3.48	3.31	3.53	2.73	4.24	2.43	40.61

DEERFIELD, MASS. (South Deerfield). Elevation, 210 feet.
Record June 1934 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1934	———	———	———	———	———	5.80	2.50	3.96	11.11	2.28	4.83	3.65	———
1935	6.11	3.03	1.87	3.44	2.94	6.08	3.48	0.92	4.27	0.72	4.83	1.70	39.39
1936	8.48	3.10	9.68	4.73	1.56	2.88	2.26	6.42	4.76	3.11	2.56	6.54	56.08
1937	5.76	2.58	4.65	6.52	6.80	6.53	3.41	5.33	4.03	6.01	6.62	2.88	61.12
1938	6.83	2.22	2.30	3.12	4.22	7.32	7.70	3.90	13.77	2.55	2.69	4.44	61.06
1939	2.13	3.62	4.15	5.84	2.41	4.50	3.24	4.42	2.71	4.07	1.08	3.51	41.68
1940	3.12	4.44	5.23	6.32	6.89	3.38	4.98	1.95	1.98	1.52	6.96	3.84	50.61
1941	2.19	2.18	2.19	0.44	2.73	7.68	5.01	3.27	0.85	2.03	4.36	4.80	37.73

DEERFIELD RIVER WATERSHED (Above Charlemont, Mass.).
Record July 1913 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1913	———	———	———	———	———	———	2.83	2.27	3.95	5.49	4.63	3.26	———
1914	3.13	3.09	3.80	5.29	2.22	2.11	3.86	5.34	0.64	2.14	2.38	2.77	36.77
1915	4.89	4.03	0.18	2.01	1.44	1.89	9.64	7.86	2.85	2.68	2.47	5.99	45.93
1916	2.80	5.29	3.95	3.66	4.00	4.45	4.91	2.41	5.11	1.81	4.51	3.05	45.95
1917	3.77	2.83	3.77	2.18	4.81	5.21	2.93	4.65	1.04	7.39	1.21	3.03	42.82
1918	3.31	3.58	2.88	2.95	3.65	3.73	2.10	2.60	7.10	2.40	2.59	3.94	40.83
1919	2.45	2.71	5.50	2.14	8.14	1.95	3.26	4.76	6.03	3.93	5.49	2.08	48.44
1920	2.22	5.17	4.04	5.93	2.70	5.85	3.43	4.15	5.08	3.70	6.41	6.07	54.75
1921	1.63	3.03	4.12	4.76	3.47	5.43	4.45	2.99	2.81	2.72	7.41	2.12	44.94
1922	2.52	3.06	5.43	3.90	5.80	7.64	2.48	6.11	2.33	2.15	2.00	3.30	46.72
1923	6.59	2.37	2.34	3.38	2.92	3.65	4.62	3.21	4.17	6.39	4.14	4.89	48.67
1924	4.46	2.65	1.03	6.25	4.71	1.57	2.82	4.22	7.19	0.04	3.89	2.46	41.29
1925	2.95	3.70	4.30	3.50	2.89	4.73	6.05	2.79	4.36	4.06	5.25	3.29	47.87
1926	2.17	3.64	2.93	3.36	1.47	3.68	3.27	2.58	3.05	5.49	5.53	2.47	39.64
1927	3.03	4.12	2.72	1.40	4.20	3.98	5.46	4.38	2.34	6.05	11.12	5.95	54.75
1928	4.13	3.09	3.02	4.17	3.64	6.41	6.07	7.67	3.16	1.39	1.92	1.94	46.61
1929	4.06	4.03	5.23	7.64	4.77	4.11	1.50	2.03	2.59	3.69	3.28	3.88	46.81
1930	3.23	1.65	4.95	2.05	4.64	4.53	4.29	2.90	2.54	2.09	3.87	1.87	38.61
1931	3.05	2.60	4.65	4.07	6.19	6.15	5.61	3.86	4.43	2.68	2.08	4.69	50.06
1932	6.64	2.86	3.72	3.96	2.44	2.62	4.63	5.12	2.46	6.10	7.38	2.24	50.17
1933	3.34	3.53	4.96	6.33	2.23	2.50	2.86	8.15	6.32	3.30	1.98	3.85	49.35
1934	4.19	2.08	3.14	5.85	3.09	6.47	3.15	2.54	8.13	2.20	3.98	4.66	49.48
1935	6.33	3.10	2.49	2.54	2.84	5.33	7.14	2.01	5.03	1.09	5.51	1.44	44.85
1936	5.41	2.67	10.08	5.11	2.63	2.89	3.84	6.59	1.59	5.06	3.05	6.53	55.45
1937	6.06	3.90	4.25	4.49	6.48	3.94	3.40	3.83	4.46	7.20	6.07	3.00	57.08
1938	5.77	2.71	2.74	3.69	4.37	4.42	8.99	3.90	12.44	2.24	3.05	4.18	58.50
Av. 25 yrs.	3.93	3.26	3.85	4.02	3.83	4.21	4.43	4.27	4.29	3.52	4.26	3.58	47.45
1939	3.30	3.65	4.41	6.14	1.68	2.95	2.25	4.41	4.21	4.98	1.50	2.93	42.41
1940	2.20	4.06	5.26	6.11	5.74	5.56	4.23	2.05	5.33	1.04	6.22	5.02	52.82
1941	2.65	2.73	2.39	0.82	2.63	4.24	5.09	2.49	3.69	4.81	3.72	4.70	39.96

DUDLEY, MASS. (Dudley Academy). Elevation, 705 feet.
Record August 1884 to May 1900 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.57	6.00	6.77	6.03	6.61	4.15	10.49	5.90	7.57	6.26	6.02	5.33	54.29
Year	1891	1900	1888	1898	1893	1898	1887	1895	1888	1888	1897	1888	1888
Min.	1.25	1.10	0.45	0.58	0.97	0.31	1.12	1.55	1.06	0.75	0.88	1.62	26.63
Year	1896	1895	1885	1892	1887	1894	1893	1893	1884	1897	1890	1896	1894
Av. 15 yrs.	3.30	3.40	3.44	2.34	3.34	2.34	4.01	3.51	3.19	3.12	3.41	2.99	38.39

DUDLEY, MASS. (Stevens Linen Works). Elevation, 450 feet.
Record January 1892 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.48	7.66	7.69	6.90	6.45	10.16	7.72	7.72	9.70	7.13	8.19	9.43	53.07
Year	1923	1900	1912	1904	1901	1922	1897	1908	1918	1895	1895	1901	1901
Min.	1.40	0.95	0.10	1.19	0.23	0.64	0.95	0.82	0.41	1.07	0.61	1.31	32.62
Year	1901	1895	1915	1896	1911	1894	1905	1907	1914	1897	1917	1892	1894
1929	4.35	3.27	2.77	7.31	3.84	1.75	0.99	1.96	1.77	2.91	2.90	4.15	37.97
1930	2.79	2.46	3.13	1.39	2.19	1.72	3.14	1.86	2.18	2.60	3.99	3.16	30.61
1931	2.90	2.47	5.49	2.84	4.32	6.41	1.76	5.98	1.31	2.18	0.96	3.23	39.85
1932	4.22	2.31	4.99	1.84	1.58	1.99	2.87	6.18	8.36	6.92	5.04	1.49	47.79
1933	1.97	3.16	5.81	5.18	3.08	2.05	2.86	4.34	9.88	2.98	1.56	4.09	46.96
1934	3.73	3.19	3.52	3.51	4.41	4.77	2.94	1.82	8.51	2.90	2.73	3.66	45.69
1935	5.05	3.10	1.88	4.30	2.66	7.71	2.92	1.31	3.83	0.37	4.55	0.28	37.96
1936	8.36	3.59	10.21	3.48	3.38	1.80	1.61	6.26	5.78	2.49	1.87	8.57	57.40
1937	5.37	1.77	3.61	4.40	2.76	4.01	2.36	6.57	4.50	4.23	7.53	3.05	50.16
1938	4.20	2.78	2.38	2.58	3.83	7.56	9.49	3.58	12.07	1.71	2.53	3.81	56.52
Av. 47 yrs.	3.49	3.21	3.99	3.41	3.23	3.60	3.52	3.83	4.04	3.16	3.46	3.57	42.53
1939	3.00	3.76	4.55	4.26	0.53	3.35	1.50	6.94	3.05	5.39	1.27	4.10	41.70
1940	2.94	4.87	4.21	5.08	4.56	3.06	4.60	1.02	3.05	1.62	6.96	2.54	44.51
1941	3.15	0.66	3.15	1.17	3.48	3.58	4.88	3.83	0.57	2.01	2.54	2.06	31.08

EDGARTOWN, MASS. Elevation, 80 feet.
Record October 1922 to December 1928 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	4.39	5.14	5.99	4.84	4.03	4.21	5.08	6.54	6.68	6.54	3.62	5.09	38.94
Year	1923	1928	1923	1924	1926	1925	1928	1927	1928	1926	1925	1927	1927
Min.	2.31	1.76	1.89	1.76	0.29	2.40	1.14	0.64	1.09	0.10	0.93	2.55	33.71
Year	1926	1923	1927	1926	1923	1927	1924	1925	1926	1924	1922	1924	1925
Av. 6 yrs.	3.03	3.26	3.10	3.13	2.54	3.24	3.40	3.26	2.96	2.88	2.49	3.65	36.94

EGREMONT, MASS. (South Egremont). Elevation, 750 feet.
Record January 1903 to December 1911—May 1914 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.83	6.16	7.33	6.45	5.69	12.27	8.18	9.25	9.56	10.51	9.91	6.07	53.99
Year	1923	1909	1922	1924	1927	1903	1915	1927	1920	1907	1927	1915	1927
Min.	1.12	1.39	0.00	1.71	0.91	1.10	1.89	1.31	0.38	0.10	0.75	0.95	35.39
Year	1918	1905	1915	1927	1903	1919	1910	1907	1914	1924	1908	1928	1908
1929	3.69	3.53	3.40	7.65	3.14	3.25	2.31	1.09	2.53	2.87	3.12	3.15	39.73
1930	2.16	1.73	3.31	1.65	4.10	7.19	5.15	5.28	1.58	2.24	4.71	1.41	40.51
1931	3.11	2.12	2.90	2.49	5.71	4.55	5.01	4.76	1.97	3.65	1.39	3.03	40.69
1932	3.82	2.30	3.56	3.06	1.92	3.95	5.35	3.36	2.34	4.77	6.49	1.38	42.30
1933	2.26	3.79	4.87	4.74	1.94	2.06	2.09	8.91	9.02	2.40	1.20	3.34	46.62
1934	3.54	2.16	2.42	3.12	4.51	5.83	3.51	4.29	9.52	2.48	3.45	2.86	47.69
1935	3.21	2.36	1.34	1.32	2.66	4.69	5.28	1.33	2.88	0.97	3.59	1.02	30.65
1936	5.04	2.15	4.63	2.60	2.57	1.62	2.87	7.21	4.49	2.46	1.37	3.83	40.75
1937	4.55	1.72	3.31	3.04	4.04	5.04	2.91	7.59	3.80	5.46	3.03	2.88	47.37
1938	4.21	1.51	0.88	2.51	3.19	6.53	8.66	4.55	9.93	2.09	2.70	3.55	50.31
Av. 33 yrs.	3.12	2.82	2.74	3.35	3.35	4.36	4.37	4.71	4.21	3.34	3.30	2.97	42.64
1939	2.48	3.52	3.06	5.28	0.94	2.87	1.67	3.90	3.50	4.61	1.12	2.21	35.16
1940	2.26	2.58	4.52	4.59	5.63	3.90	2.76	3.85	2.07	1.42	4.95	2.58	41.11
1941	2.45	1.87	1.63	0.90	2.08	4.66	4.52	4.82	1.26	2.02	2.35	4.06	32.62

ENFIELD, MASS. Elevation, 550 feet.
Record January 1930 to June 1939 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1930	2.15	2.21	3.10	1.26	3.61	4.98	5.31	2.55	3.41	2.68	3.57	1.73	36.56
1931	2.83	1.82	4.10	3.12	7.25	4.79	3.76	7.08	2.30	3.11	1.39	3.98	45.53
1932	4.50	2.42	4.83	2.75	1.34	2.71	3.81	3.78	5.04	4.04	4.34	1.89	41.45
1933	2.44	4.03	5.23	7.31	2.27	2.63	2.72	6.05	10.52	4.67	1.93	3.58	53.48
1934	3.55	2.99	3.35	4.14	4.79	5.43	2.73	3.44	9.59	2.51	3.91	3.21	49.64
1935	5.40	3.72	2.07	3.76	2.63	5.65	2.42	0.74	5.17	1.27	4.10	1.22	38.15
1936	6.91	2.85	8.60	4.81	3.12	4.24	2.29	5.39	5.60	2.66	2.15	6.62	55.24
1937	6.08	2.38	3.53	4.07	5.05	6.49	2.60	5.97	5.30	4.63	6.72	2.89	55.71
1938	4.35	3.12	2.85	3.30	3.55	9.66	11.74	2.59	15.33	2.75	3.42	3.75	66.41
Av. 9 yrs.	4.25	2.84	4.18	3.83	3.75	5.17	4.15	4.18	6.92	3.15	3.50	3.21	49.13
1939	2.74	3.44	2.79	5.02	1.25	3.23	—	—	—	—	—	—	—

FALL RIVER, MASS. (Water Works Pumping Station). Elevation, 210 feet.
Record January 1873 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	10.45	10.91	11.03	9.58	9.06	8.30	10.03	12.59	9.66	12.00	11.08	10.16	64.30
Year	1891	1886	1877	1901	1901	1920	1921	1927	1896	1898	1876	1901	1888
Min.	1.31	0.66	0.08	1.53	0.89	0.24	0.44	0.47	0.81	0.23	0.37	1.45	33.75
Year	1876	1895	1915	1908	1880	1912	1909	1882	1884	1924	1917	1899	1910
1929	3.60	4.73	4.04	7.82	3.25	0.81	3.00	3.94	4.08	2.74	3.00	5.81	46.82
1930	3.62	4.07	2.44	1.44	3.11	2.16	2.50	3.29	0.73	4.26	3.65	4.30	35.57
1931	3.97	3.41	8.09	2.73	4.69	6.47	3.43	5.81	2.02	3.14	0.88	3.46	48.10
1932	7.02	2.94	5.63	1.24	2.54	2.66	2.39	4.07	7.24	5.99	6.72	3.09	51.53
1933	2.43	3.83	6.16	8.35	2.65	2.29	1.32	4.22	9.77	2.44	2.84	4.00	50.30
1934	4.10	4.48	4.27	4.84	3.17	3.46	0.92	2.30	3.50	3.75	2.20	3.34	40.33
1935	6.77	3.28	1.99	4.59	1.74	3.47	2.17	2.59	3.72	1.72	6.92	1.38	40.34
1936	7.21	2.76	6.81	3.66	1.02	3.24	3.05	4.12	8.47	2.37	1.20	10.19	54.10
1937	4.38	1.30	4.27	4.94	2.45	4.19	0.51	3.50	3.56	3.64	5.01	4.42	42.17
1938	3.95	3.63	2.72	3.16	4.05	8.52	4.01	3.96	7.29	3.19	3.37	4.02	51.87
Av. 66 yrs.	4.37	3.84	4.49	4.03	3.38	3.14	3.33	4.08	3.41	3.85	4.15	4.00	46.07
1939	3.76	5.30	6.79	4.93	1.28	2.87	0.79	5.61	3.05	5.26	1.47	2.00	43.11
1940	2.94	5.70	4.09	8.57	4.69	1.00	4.57	1.43	3.88	1.62	7.72	2.78	48.99
1941	4.73	3.13	3.37	2.58	1.38	5.56	4.35	2.04	1.26	2.35	2.21	3.74	36.70

FALL RIVER, MASS. (U. S. Weather Bureau). Elevation, 200 feet.
Record January 1893 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	10.00	7.52	7.37	9.41	7.56	8.89	11.47	13.02	8.03	11.05	8.04	9.57	60.47
Year	1915	1893	1899	1904	1901	1920	1916	1927	1896	1898	1898	1901	1898
Min.	1.48	0.80	0.05	1.20	1.02	0.23	0.43	0.68	0.65	1.08	0.45	1.43	36.26
Year	1916	1901	1915	1896	1902	1912	1909	1902	1903	1918	1917	1899	1909
1929	4.23	4.24	4.56	7.77	3.28	0.81	2.68	4.48	4.56	3.85	3.31	5.24	49.01
1930	3.12	3.93	2.70	1.63	3.18	2.23	2.87	3.37	1.06	4.93	3.37	3.57	35.96
1931	3.75	2.56	7.04	2.91	4.60	5.99	4.11	6.72	1.87	3.54	1.10	3.79	47.98
1932	6.02	2.55	5.11	1.68	2.59	3.08	2.54	4.58	6.81	6.64	7.15	2.52	51.27
1933	2.52	3.79	5.59	8.50	2.64	2.40	1.64	3.52	9.51	2.56	3.00	3.64	49.31
1934	3.95	3.49	4.05	4.81	3.56	4.10	1.01	3.35	3.44	5.08	3.80	4.25	44.89
1935	5.59	2.56	1.94	3.35	1.97	4.22	2.72	1.72	3.89	1.49	6.53	1.83	37.81
1936	6.98	2.81	7.47	4.03	0.92	4.49	2.67	4.68	6.43	2.99	1.34	11.38	56.19
1937	4.72	1.42	3.94	5.40	2.58	4.85	1.05	3.22	2.55	4.16	5.06	4.58	43.53
1938	4.44	3.25	2.93	3.02	4.70	7.49	4.63	4.66	7.58	4.05	3.39	5.07	55.21
Av. 46 yrs.	4.10	3.77	4.18	4.04	3.31	3.22	3.22	4.10	3.56	3.68	3.65	4.23	45.06
1939	3.42	5.39	5.93	6.18	1.55	3.71	1.09	4.31	3.09	4.67	1.07	2.93	43.34
1940	2.50	5.12	3.82	6.68	5.08	1.62	4.04	1.09	4.07	2.08	7.26	3.12	46.48
1941	3.28	2.05	2.77	1.93	1.92	4.65	4.07	2.63	1.25	2.60	2.27	3.20	32.62

FALMOUTH, MASS. (Woods Hole). Elevation, 22 feet.
Record January 1873 to January 1882—March 1887 to May 1900 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.95	7.18	10.78	9.32	5.59	6.25	5.69	10.84	11.27	9.79	11.70	6.23	52.10
Year	1891	1893	1877	1874	1888	1881	1877	1887	1888	1890	1876	1873	1873
Min.	1.69	1.02	1.10	1.33	0.88	1.01	0.68	0.65	0.28	0.94	1.31	1.20	31.32
Year	1880	1895	1874	1896	1880	1873	1894	1881	1877	1876	1890	1877	1880
Av. 21 yrs.	3.64	3.67	4.77	3.86	3.37	2.44	3.26	3.55	3.12	4.14	4.95	3.32	44.09

FALMOUTH, MASS. (Hatchville). Elevation, 70 feet.
Record January 1919 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.27	5.68	6.05	6.28	6.22	6.77	7.93	8.98	8.04	8.34	8.96	5.69	58.26
Year	1919	1920	1922	1924	1921	1920	1919	1924	1928	1926	1921	1927	1919
Min.	1.66	0.99	1.42	1.80	1.07	2.35	1.32	0.80	1.15	0.38	1.42	2.15	39.05
Year	1925	1923	1927	1927	1923	1921	1924	1928	1921	1924	1922	1921	1925
1929	2.99	3.84	5.01	7.09	4.45	0.24	1.45	6.35	6.71	2.73	3.40	4.51	48.77
1930	4.24	3.63	2.36	1.10	2.77	2.06	2.19	2.89	0.20	4.31	5.74	3.61	35.10
1931	4.40	3.88	8.14	4.30	7.70	6.42	3.55	4.75	2.31	5.76	0.88	3.71	55.80
1932	6.15	2.58	5.02	1.35	1.99	4.82	3.31	2.83	6.80	4.83	5.17	2.70	47.55
1933	3.57	3.92	6.58	6.73	3.07	2.49	4.06	5.58	14.75	6.02	3.33	4.07	64.17
1934	3.44	3.66	4.21	3.45	1.80	3.78	0.36	2.43	1.86	5.31	2.77	4.30	37.37
1935	5.01	2.99	2.04	3.57	1.93	4.74	4.20	1.69	6.91	3.12	6.82	1.47	44.49
1936	6.06	2.86	6.19	2.83	2.07	4.62	1.75	4.62	8.91	3.79	2.37	8.59	54.66
1937	3.99	1.51	3.26	4.80	2.94	3.14	0.77	7.00	6.33	5.11	4.65	3.60	47.10
1938	4.27	2.86	3.15	4.48	4.24	6.46	2.99	5.51	5.85	4.83	4.56	3.72	52.92
Av. 20 yrs.	3.78	3.21	4.30	4.04	3.59	4.01	3.36	4.41	4.78	4.12	3.97	3.84	47.41
1939	3.86	5.67	7.16	5.07	1.05	3.27	0.95	5.21	2.84	3.67	2.94	2.11	43.80
1940	2.28	6.27	4.75	6.05	3.31	2.04	4.07	1.25	4.86	2.84	4.95	3.84	46.51
1941	4.46	1.86	2.88	3.27	1.13	7.82	3.68	5.97	0.05	2.50	2.72	2.74	39.08

FITCHBURG, MASS. (Dr. Jabez Fisher). Elevation, 625 feet.
Record January 1865 to December 1916 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.06	8.33	6.87	9.91	8.25	10.34	12.68	10.72	14.04	13.01	7.33	8.46	59.60
Year	1891	1866	1899	1901	1893	1903	1897	1867	1868	1869	1897	1901	1888
Min.	0.69	0.34	0.00	0.57	0.57	0.09	1.16	0.17	0.16	0.62	0.38	0.58	27.45
Year	1916	1877	1915	1892	1878	1873	1868	1876	1914	1892	1882	1875	1883
Av. 52 yrs.	3.24	3.28	3.37	3.09	3.58	3.44	3.79	4.21	3.35	3.72	3.38	3.09	41.54

FITCHBURG, MASS. (Dr. A. P. Mason). Elevation, 550 feet.
Record February 1885 to December 1924 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.95	8.96	7.36	8.98	6.94	10.30	10.30	9.77	10.86	9.26	6.91	8.30	61.09
Year	1891	1900	1899	1901	1901	1922	1915	1887	1888	1890	1897	1901	1888
Min.	1.32	0.75	T	0.57	1.05	0.39	1.56	0.66	0.19	T	0.45	0.86	28.41
Year	1916	1901	1915	1892	1903	1912	1893	1894	1914	1924	1902	1892	1914
Av. 39 yrs.	3.40	3.29	3.60	3.18	3.32	3.28	3.97	3.95	3.77	3.28	3.32	3.52	41.88

FITCHBURG, MASS. (Sewage Works). Elevation, 340 feet.
Record January 1920 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.83	5.63	6.40	7.63	5.45	6.73	7.11	7.46	6.55	5.36	7.63	6.79	51.09
Year	1923	1926	1925	1921	1922	1922	1928	1927	1920	1926	1927	1920	1920
Min.	1.63	2.06	1.48	1.15	1.47	1.04	2.17	1.72	1.22	0.91	1.36	1.88	35.52
Year	1920	1923	1927	1922	1923	1924	1924	1921	1926	1920	1922	1928	1924
1929	4.64	4.24	2.78	6.06	5.16	3.92	0.95	1.69	1.64	2.97	2.54	2.97	39.56
1930	1.75	1.57	4.07	2.02	2.99	3.12	5.50	1.59	1.46	3.66	4.03	2.22	33.98
1931	3.52	2.59	5.05	3.16	4.91	5.94	2.48	5.57	2.04	2.30	1.23	3.75	42.54
1932	4.76	2.89	4.43	2.15	1.61	1.17	2.85	3.67	7.96	6.86	4.54	2.15	45.04
1933	2.66	4.20	6.61	6.89	3.14	2.17	2.79	5.50	9.67	4.03	1.44	3.80	52.90
1934	3.58	3.51	4.21	4.57	3.88	5.58	2.26	1.90	8.99	2.62	2.37	3.51	46.98
1935	6.57	3.46	1.85	3.52	2.04	6.72	3.69	2.02	5.18	0.82	4.73	1.44	42.04
1936	7.78	2.78	12.15	3.67	1.99	3.07	1.68	4.31	1.82	4.74	1.63	8.31	53.93
1937	5.22	2.12	3.35	5.39	5.22	4.15	1.09	3.39	3.26	5.83	7.56	3.29	47.87
1938	4.84	1.94	2.46	3.19	3.62	7.46	11.16	3.20	10.92	1.87	3.72	3.21	57.59
Av. 19 yrs.	3.89	3.20	3.95	4.16	3.24	4.04	3.71	3.50	4.31	3.17	3.90	3.78	44.85
1939	2.96	3.63	4.62	4.47	1.59	1.74	1.04	3.58	1.67	3.93	0.91	3.11	33.25
1940	3.10	5.49	4.02	6.09	7.29	1.91	2.86	1.44	1.95	0.78	6.84	2.73	44.50
1941	3.47	2.18	2.25	0.88	2.61	2.35	3.84	2.84	0.49	1.68	3.32	3.63	29.57

FITCHBURG, MASS. (Sentinel Office). Elevation (on roof).
Record June 1927 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1927	——	——	——	——	——	3.26	4.51	8.49	4.68	4.44	7.85	5.43	——
1928	2.94	3.90	1.88	6.03	2.81	6.25	7.74	5.51	4.10	1.49	2.92	2.72	47.89
1929	2.72	4.74	3.57	6.78	5.78	4.49	5.03	2.02	1.76	4.21	2.65	3.04	42.79
1930	1.83	1.71	4.35	2.00	3.03	3.29	4.47	1.27	1.38	3.92	3.89	2.49	33.63
1931	3.48	2.79	5.28	3.59	4.93	8.74	2.37	7.09	2.09	2.50	1.69	3.23	47.78
1932	3.22	2.82	4.61	2.63	1.98	1.11	2.66	3.99	7.38	7.02	4.99	1.76	44.17
1933	2.75	3.90	6.00	7.78	3.12	1.08	2.38	6.21	8.91	4.00	1.63	3.56	51.32
1934	3.95	3.06	3.95	4.90	4.04	6.65	3.83	1.78	9.22	2.40	2.23	4.14	50.15
1935	6.08	3.02	1.52	3.70	1.54	8.39	2.84	2.50	5.52	0.74	4.72	1.04	41.61
1936	7.38	2.69	12.83	4.36	1.85	3.65	1.75	5.66	1.93	5.44	1.74	7.86	56.93
1937	4.97	1.99	3.52	5.73	4.24	5.24	1.72	3.99	3.76	4.01	7.75	3.00	49.92
1938	2.19	1.99	2.16	3.26	4.34	7.34	10.75	4.56	11.52	2.02	3.71	3.16	57.00
Av. 11 yrs.	3.77	2.97	4.52	4.62	3.42	5.11	3.78	4.05	5.23	3.43	3.41	3.27	47.58
1939	3.03	1.70	4.55	4.41	1.63	2.54	1.08	2.91	1.56	4.09	0.89	2.95	31.34
1940	3.09	5.26	3.87	6.02	6.92	1.97	2.39	1.76	2.43	0.93	6.53	2.63	43.80
1941	2.61	2.04	2.55	1.80	2.92	2.20	3.74	3.01	0.61	2.52	3.05	3.10	30.15

FLORIDA, MASS. (Hoosac Tunnel). Elevation, 800 feet.
Record May 1930 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1930	——	——	——	——	3.79	4.00	4.12	2.36	2.14	1.52	3.57	1.44	——
1931	3.15	2.00	3.52	3.37	5.39	5.70	4.90	3.49	4.52	2.16	1.60	4.67	44.47
1932	5.94	2.95	3.23	2.95	2.35	2.06	4.15	3.92	1.52	4.41	6.53	2.04	42.05
1933	2.98	3.47	4.07	6.68	1.98	2.25	2.31	7.05	6.02	2.87	1.54	3.83	45.05
1934	3.81	2.33	2.84	5.19	3.27	5.88	4.07	2.52	6.96	1.92	3.48	3.84	46.11
1935	6.22	2.88	2.40	1.84	2.70	5.29	6.15	1.20	4.65	1.02	4.70	1.43	40.48
1936	5.53	2.01	10.26	4.57	2.84	2.02	2.10	7.30	1.83	3.64	2.31	5.75	50.16
1937	5.41	4.35	3.45	3.93	6.86	4.08	2.81	5.73	5.63	6.29	5.00	2.48	56.02
1938	5.01	2.64	2.52	3.10	3.41	6.42	6.76	4.12	14.04	1.80	2.62	3.95	56.39
Av. 8 yrs.	4.76	2.83	4.03	3.95	3.60	4.21	4.16	4.42	5.65	3.01	3.47	3.50	47.59
1939	2.76	3.02	4.26	7.00	1.61	3.76	1.67	3.34	3.06	4.43	0.97	3.06	38.94
1940	2.77	4.37	4.94	5.83	4.46	3.87	4.34	1.54	4.34	0.97	5.85	5.15	48.43
1941	2.22	2.31	2.47	1.06	3.50	3.79	5.13	1.89	3.02	3.11	3.37	4.26	36.13

FRAMINGHAM, MASS. Elevation, 160 feet.
Record January 1876 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.48	8.82	8.19	8.78	7.01	9.33	9.34	8.12	8.99	10.26	7.94	10.87	59.94
Year	1923	1900	1877	1904	1901	1922	1889	1927	1888	1890	1895	1901	1888
Min.	1.48	0.26	0.04	0.85	0.72	0.38	1.15	0.54	0.18	0.10	0.89	0.92	31.95
Year	1876	1877	1915	1892	1911	1912	1917	1883	1914	1924	1908	1877	1883
1929	3.90	3.86	3.14	7.43	3.62	1.71	0.95	2.22	1.91	2.90	2.98	4.04	38.66
1930	2.78	2.52	3.66	2.07	2.91	1.65	3.92	2.32	0.80	4.62	4.44	2.46	34.15
1931	4.32	2.63	5.55	3.21	4.03	6.67	1.77	5.30	1.19	2.03	0.95	3.42	41.07
1932	4.50	2.65	5.43	2.06	1.50	3.38	1.95	5.13	10.28	6.90	5.02	1.89	50.69
1933	2.39	4.13	7.22	5.86	2.59	1.43	2.42	3.75	10.65	2.86	1.05	4.04	48.39
1934	3.85	4.27	4.89	3.38	3.71	4.38	2.93	1.92	7.88	3.26	2.30	2.92	45.69
1935	6.80	2.97	1.90	5.50	2.31	5.99	2.00	1.37	3.84	0.54	4.87	1.06	39.15
1936	7.97	3.91	9.61	3.28	2.10	2.47	1.24	5.16	5.03	2.04	1.64	8.80	53.25
1937	4.59	2.35	3.73	4.93	4.02	4.01	1.60	4.69	3.06	3.33	6.68	3.98	46.97
1938	4.91	2.31	2.87	3.03	4.44	7.45	11.80	4.93	10.12	1.95	3.09	3.50	60.40
Av. 63 yrs.	4.05	3.86	4.26	3.65	3.20	3.30	3.56	3.75	3.64	3.43	3.72	3.82	44.24
1939	2.54	4.29	4.93	4.56	1.40	3.91	1.79	4.41	1.78	5.27	1.12	3.39	39.39
1940	2.61	6.47	4.56	5.40	4.39	1.93	3.84	2.06	3.63	1.02	6.90	2.75	45.56
1941	4.08	1.83	2.97	1.24	2.23	4.06	2.96	3.08	0.48	1.64	2.40	3.27	30.24

FRANKLIN, MASS. Elevation, 240 feet.
Record July 1922 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.49	4.80	4.99	5.82	8.48	5.15	4.92	10.47	4.93	6.20	5.38	5.03	47.14
Year	1923	1926	1925	1923	1924	1923	1925	1927	1924	1923	1927	1927	1923
Min.	2.18	1.78	1.38	1.61	1.55	1.02	2.20	0.98	1.25	0.15	1.00	1.70	34.74
Year	1926	1923	1927	1926	1928	1926	1924	1925	1923	1924	1922	1924	1924
1929	4.11	3.76	3.08	6.79	4.67	2.29	2.47	1.60	2.38	3.24	3.02	3.91	41.32
1930	2.88	2.27	3.78	1.97	2.36	2.12	3.40	1.63	0.53	4.04	3.52	2.66	31.16
1931	2.95	2.41	5.47	2.84	4.52	8.81	3.00	5.33	1.07	2.12	0.71	2.65	41.98
1932	4.37	1.95	5.27	2.00	1.76	2.58	1.56	5.09	8.46	5.42	4.36	1.59	44.41
1933	2.06	3.57	6.05	5.22	1.86	1.75	1.81	3.12	9.02	2.97	1.03	4.09	42.55
1934	3.46	3.11	4.19	3.97	2.77	3.93	3.97	2.99	5.96	3.11	2.75	2.51	42.72
1935	5.82	2.90	1.65	3.96	3.17	4.73	3.04	1.82	3.90	0.63	3.86	0.84	36.32
1936	7.78	2.80	8.58	2.77	2.06	2.26	1.57	7.63	5.14	1.81	1.32	8.96	52.68
1937	4.16	2.43	3.49	4.10	2.61	4.18	2.01	6.41	2.51	3.37	6.89	3.43	45.59
1938	4.43	2.01	2.30	2.80	4.86	10.04	9.93	4.15	6.30	2.21	3.27	2.64	54.94
Av. 16 yrs.	3.97	2.82	3.74	3.64	2.83	3.70	3.37	4.23	4.00	3.23	3.23	3.52	42.28
1939	2.32	3.51	3.46	3.83	1.13	3.83	0.56	5.74	1.58	5.96	0.95	2.76	35.63
1940	2.72	4.43	2.84	5.48	3.93	2.54	3.85	1.02	2.25	1.63	5.70	2.48	38.87
1941	2.73	2.53	1.48	1.26	3.05	4.65	3.83	3.66	0.26	1.40	2.70	3.80	31.35

GARDNER, MASS. Elevation, 1,110 feet.
Record July 1906 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.58	5.40	6.35	7.99	7.09	9.21	9.21	8.14	9.81	6.08	6.84	5.99	51.91
Year	1923	1909	1922	1921	1919	1922	1915	1908	1907	1917	1927	1920	1920
Min.	1.38	1.31	0.01	1.65	1.13	0.52	1.57	1.09	0.20	0.07	1.03	1.52	36.60
Year	1916	1907	1915	1922	1911	1912	1913	1907	1914	1924	1908	1928	1910
1929	3.99	3.26	3.07	5.60	4.02	4.88	0.76	1.39	1.96	1.95	2.55	3.20	36.63
1930	1.76	1.96	3.81	1.17	2.53	3.16	4.82	1.66	1.54	2.45	2.96	1.78	29.60
1931	2.55	2.60	5.10	3.09	4.78	4.78	2.01	6.47	2.37	3.48	1.32	3.79	42.29
1932	4.78	2.44	5.49	1.97	1.69	2.27	5.01	3.69	6.61	6.84	4.17	1.84	46.80
1933	2.53	4.07	5.95	6.37	1.68	2.41	2.36	5.24	9.29	4.85	1.29	3.59	49.63
1934	3.10	3.32	3.60	3.81	3.34	6.79	4.37	2.36	8.12	2.63	3.61	2.98	48.03
1935	5.08	3.01	1.72	3.08	1.94	6.69	2.66	3.04	4.66	0.97	4.38	0.93	38.16
1936	6.82	2.83	9.94	3.54	1.72	3.23	2.26	6.44	4.10	3.21	1.78	6.88	52.75
1937	5.05	1.85	2.98	4.17	4.42	6.04	2.90	3.20	4.68	3.73	6.75	2.41	48.18
1938	4.31	1.87	2.13	2.08	3.85	7.39	8.47	4.54	17.31	2.43	3.52	3.11	61.01
Av. 32 yrs.	3.47	3.20	3.68	3.68	3.05	3.94	3.86	4.02	4.25	3.04	3.72	3.37	43.28
1939	2.61	3.74	3.40	4.27	1.55	2.54	1.47	4.27	1.69	3.77	0.67	3.37	33.35
1940	1.93	2.88	3.99	5.43	5.37	2.34	3.12	1.84	2.09	0.98	6.23	3.02	39.22
1941	2.75	2.22	1.40	0.52	4.09	3.73	3.07	2.96	0.90	2.35	3.11	3.63	30.73

GLOUCESTER, MASS. (Water Works). Elevation, 40 feet.
Record January 1915 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.74	10.11	9.68	6.87	5.95	11.40	9.60	6.85	10.03	6.20	8.35	7.86	54.48
Year	1923	1920	1916	1928	1919	1922	1921	1924	1918	1925	1921	1925	1920
Min.	1.74	2.43	0.00	1.40	1.64	1.41	1.00	0.90	0.42	0.09	0.84	1.60	38.17
Year	1916	1917	1915	1927	1918	1915	1920	1920	1924	1924	1917	1919	1918
1929	3.09	2.57	5.07	9.55	4.38	1.73	1.95	1.93	1.26	3.19	3.36	6.34	44.42
1930	3.15	3.37	4.58	2.13	4.27	1.78	4.69	3.74	0.42	6.97	7.67	4.09	46.86
1931	4.54	4.67	5.59	4.11	5.61	9.47	2.53	4.54	2.48	3.33	3.14	5.57	55.58
1932	7.98	2.89	6.78	2.52	1.37	2.45	4.62	6.31	7.67	9.36	5.77	2.81	60.53
1933	3.90	4.48	8.99	11.39	4.10	1.87	4.05	3.29	12.19	5.21	1.42	3.69	64.58
1934	3.84	3.67	5.49	2.65	1.89	3.46	1.35	1.07	6.65	4.23	3.59	2.85	40.74
1935	7.84	3.63	1.95	4.86	1.44	5.95	3.29	2.95	3.71	0.56	6.05	1.92	44.15
1936	6.67	2.26	6.98	4.04	1.47	4.04	3.51	3.82	4.13	3.22	1.46	9.36	50.96
1937	5.02	1.31	4.07	7.36	2.66	3.80	0.96	4.61	5.20	4.82	5.11	3.96	48.88
1938	4.34	2.47	3.33	3.57	4.32	6.48	10.05	1.69	7.68	3.05	2.88	3.69	53.55
Av. 24 yrs.	4.23	3.60	4.48	4.56	3.22	4.26	3.84	3.58	4.29	3.60	3.93	4.23	47.82
1939	2.52	3.47	6.22	4.71	2.49	2.91	1.18	1.63	1.16	4.69	1.38	2.72	35.08
1940	2.41	5.45	4.57	5.89	3.73	2.69	4.15	1.11	3.48	0.66	6.57	3.11	43.82
1941	3.91	1.91	2.65	2.06	3.87	2.20	2.06	1.87	1.67	2.32	2.68	3.99	31.19

GLOUCESTER, MASS. (Eastern Point). Elevation, 15 feet.
Record April 1930 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1930	———	———	———	1.86	3.35	0.99	3.96	2.46	0.41	4.63	6.96	3.12	———
1931	4.05	4.40	5.37	3.44	4.50	8.17	1.91	4.51	1.99	2.90	1.20	4.08	46.52
1932	5.79	2.59	6.07	2.14	0.83	2.09	3.09	4.23	5.54	6.86	4.97	2.24	46.44
1933	2.94	4.36	6.73	10.26	4.74	1.71	3.35	2.65	9.97	6.22	1.28	4.68	58.89
1934	3.35	5.94	4.38	3.42	1.95	3.86	1.52	1.07	7.89	4.24	3.37	2.84	43.83
1935	8.76	4.16	1.78	5.36	1.63	5.51	2.18	4.60	3.25	0.31	6.40	2.02	45.96
1936	8.85	3.40	6.73	4.00	1.53	4.07	3.41	4.39	4.01	3.17	1.58	9.01	54.15
1937	4.76	1.49	4.13	7.25	2.28	4.10	0.99	5.52	4.99	4.70	4.92	3.90	49.03
1938	4.63	3.30	3.13	3.21	4.71	6.10	11.47	1.96	8.79	2.88	3.61	3.01	56.80
Av. 8 yrs.	5.39	3.71	4.79	4.88	2.77	4.45	3.49	3.62	5.80	3.91	3.42	3.97	50.20
1939	3.71	3.95	7.05	4.94	2.77	3.18	0.87	1.85	1.20	5.00	1.37	2.86	38.75
1940	2.37	7.47	4.33	6.09	2.63	3.66	3.28	0.83	3.33	0.67	7.75	3.04	45.45
1941	4.69	2.11	4.11	2.03	3.79	2.25	2.17	1.99	1.29	2.62	2.71	3.95	33.71

GRANVILLE, MASS. (Westfield Water Works). Elevation, 750 feet.
Record January 1908 to December 1917 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.93	6.23	5.75	6.38	6.42	5.30	8.42	8.55	6.28	10.10	5.12	3.90	50.11
Year	1915	1909	1912	1909	1908	1916	1915	1915	1916	1911	1910	1909	1915
Min.	1.55	2.09	0.21	1.84	1.15	0.62	1.29	2.29	0.38	1.01	0.83	1.78	41.43
Year	1916	1911	1915	1917	1911	1912	1910	1914	1914	1910	1908	1910	1908
Av. 10 yrs.	3.55	3.92	3.53	3.82	4.01	2.80	3.92	4.95	3.13	4.62	3.32	3.15	44.72

GRANVILLE, MASS. (Westfield Water Works). Elevation, 540 feet.
Record June 1930 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1930	———	———	———	———	———	6.01	4.31	2.44	1.61	1.75	4.67	0.81	———
1931	2.71	1.62	4.14	2.60	8.26	4.69	3.10	4.01	1.32	2.33	1.35	2.94	39.07
1932	4.64	1.54	3.87	2.03	2.54	4.89	4.79	3.20	2.97	6.70	8.54	1.38	47.09
1933	1.84	2.84	5.12	3.44	1.84	1.90	1.52	7.46	7.43	2.60	0.82	2.96	39.77
1934	3.42	1.60	3.45	3.33	5.07	5.10	2.24	5.26	12.60	2.64	4.00	3.78	52.49
1935	3.43	2.35	1.58	1.51	2.54	4.57	3.29	0.63	4.23	0.58	3.23	1.14	29.08
1936	4.84	1.76	9.21	3.71	2.34	2.54	1.10	4.78	4.51	3.27	1.18	6.33	45.57
1937	5.15	2.76	3.06	3.92	5.14	6.04	3.69	3.33	4.08	5.77	6.27	2.66	51.87
1938	4.59	1.62	2.24	2.61	4.16	6.86	6.77	3.59	10.74	2.44	2.63	3.55	51.80
Av. 8 yrs.	3.83	2.01	4.08	2.90	3.99	4.57	3.31	4.03	5.99	3.29	3.50	3.09	44.59
1939	2.17	3.56	3.08	3.93	0.86	2.70	1.54	8.17	2.29	3.94	0.96	2.41	35.61
1940	2.82	2.04	4.43	4.87	6.60	2.82	2.35	2.52	1.69	1.40	5.28	2.36	39.18
1941	2.56	2.97	1.02	0.85	3.25	6.83	5.44	4.30	0.81	2.29	3.15	4.08	37.55

GRANVILLE, MASS. (Borden Brook Reservoir). Elevation, 950 feet.
Record January 1914 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.41	6.79	8.75	7.82	8.76	8.76	7.60	10.30	9.43	8.55	11.09	8.58	61.63
Year	1923	1916	1922	1924	1919	1920	1928	1928	1920	1917	1927	1915	1920
Min.	1.63	1.74	0.35	2.05	1.91	1.04	1.78	2.11	0.19	0.00	0.90	1.37	39.69
Year	1922	1924	1915	1922	1921	1919	1924	1925	1914	1924	1917	1928	1918
1929	4.22	4.31	3.64	7.40	3.95	2.25	0.59	1.63	2.45	7.09	2.93	3.98	44.44
1930	2.08	1.76	4.34	2.82	4.41	5.21	3.82	3.70	1.86	1.82	4.99	2.24	39.05
1931	3.64	2.47	4.73	3.02	8.71	5.24	4.91	4.24	1.46	2.63	1.81	3.09	45.95
1932	5.75	2.44	5.42	2.51	1.62	6.11	6.43	3.15	3.12	8.09	8.52	2.01	55.17
1933	2.65	3.61	6.37	4.82	1.86	2.66	1.81	8.76	8.66	3.20	1.20	4.22	49.82
1934	4.35	2.86	4.86	4.43	5.14	6.18	1.92	6.28	10.58	2.90	4.84	3.93	58.27
1935	4.58	3.24	2.23	2.14	2.42	5.52	3.09	0.45	4.81	1.03	5.06	1.33	35.90
1936	6.36	3.00	11.77	5.00	2.20	2.19	1.14	5.73	4.81	4.04	1.75	6.64	54.63
1937	6.05	3.66	3.76	4.63	6.61	5.87	4.11	4.03	5.00	6.85	7.20	3.39	61.16
1938	5.83	2.49	2.59	2.68	4.55	8.79	7.52	4.90	12.84	2.26	3.49	3.86	61.80
Av. 25 yrs.	3.98	3.64	4.43	4.09	3.94	4.66	4.05	4.44	4.66	3.50	4.52	3.86	49.77
1939	2.55	4.39	3.74	5.14	1.11	2.78	2.38	5.11	2.46	4.06	1.46	2.68	37.86
1940	3.15	2.92	5.55	4.93	7.16	3.22	3.32	2.79	2.28	1.67	5.91	2.75	45.65
1941	2.61	3.31	1.29	1.23	3.22	6.25	5.14	5.26	0.93	2.49	3.19	4.59	39.51

GRANVILLE, MASS. (West Granville). Elevation, 1,200 feet to 1930, 900 ft. since 1930.
Record from July 1912 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	10.60	5.20	7.52	8.30	9.40	7.70	9.10	9.09	7.35	8.39	10.73	5.33	58.30
Year	1923	1920	1917	1924	1924	1922	1922	1928	1924	1913	1927	1927	1922
Min.	0.68	1.31	0.75	2.15	1.15	0.53	0.95	1.38	0.25	0.00	0.10	0.30	31.03
Year	1916	1914	1923	1927	1916	1919	1924	1914	1914	1924	1922	1921	1914
1929	3.85	4.00	3.27	7.69	4.91	3.40	0.99	1.86	3.14	6.28	1.94	4.12	45.45
1930	3.08	1.40	2.93	2.78	3.12	5.24	4.41	3.70	1.64	2.35	4.17	1.77	36.54
1931	3.10	1.89	3.85	2.33	7.34	7.22	3.42	4.16	3.30	2.73	1.69	2.71	43.74
1932	4.90	1.73	4.23	1.88	1.28	4.33	5.12	4.39	3.05	8.17	8.72	1.26	49.06
1933	2.16	3.44	4.10	3.73	2.22	2.90	1.49	9.07	8.29	2.64	1.91	4.67	46.62
1934	3.45	3.64	3.14	4.61	5.42	6.90	3.64	4.58	9.98	2.35	4.76	2.28	54.75
1935	4.50	3.46	2.42	3.28	3.46	7.95	2.28	3.26	5.01	1.70	4.42	1.10	42.84
1936	4.88	2.70	11.07	5.58	2.52	3.01	0.68	4.32	4.24	6.06	2.66	6.23	53.95
1937	6.12	3.92	4.10	5.35	5.69	8.09	5.77	3.14	4.40	7.03	8.73	2.74	65.08
1938	6.91	2.13	2.37	4.75	4.37	8.03	9.16	4.09	15.37	2.52	4.15	2.06	65.91
Av. 26 yrs.	3.61	3.13	3.61	4.19	3.96	4.47	4.26	4.72	4.50	3.89	4.08	2.92	47.34
1939	2.75	3.86	4.78	4.17	1.07	1.91	2.06	4.11	2.51	2.80	2.92	3.12	36.06
1940	2.97	2.26	6.05	4.92	6.91	3.70	3.09	2.46	2.20	1.70	5.92	2.43	44.61
1941	2.31	4.19	5.51	1.59	3.80	6.03	5.02	2.86	2.99	2.49	3.62	3.91	44.32

GREENFIELD, MASS Elevation, 270 feet.
Record April 1925 to December 1941 inclusive.*

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	3.29	4.15	3.95	5.83	6.75	8.82	6.75	9.29	8.11	6.97	8.63	5.53	47.55
Year	1926	1926	1926	1924	1921	1922	1928	1928	1924	1923	1927	1927	1928
Min.	2.04	3.04	1.71	1.52	1.67	2.06	2.23	2.04	1.85	0.00	1.99	0.82	40.67
Year	1927	1928	1927	1922	1926	1926	1922	1921	1927	1924	1922	1928	1926
1929	4.33	4.29	3.27	6.65	3.97	3.08	1.26	1.82	3.27	2.81	2.39	4.30	41.44
1930	1.85	1.19	4.78	1.55	3.87	4.95	4.31	2.22	2.05	2.58	3.95	1.41	34.71
1931	3.13	2.10	3.95	2.92	8.06	4.42	3.99	3.76	2.49	2.37	1.67	3.74	42.60
1932	4.40	2.61	3.83	2.98	1.47	1.29	4.50	3.46	3.39	5.15	7.06	1.94	42.08
1933	2.27	3.36	5.24	6.14	2.21	1.48	1.85	8.04	6.82	3.89	0.89	3.24	45.43
1934	3.20	1.94	3.50	4.88	3.75	5.31	3.49	3.88	9.59	2.25	3.28	3.46	48.53
1935	4.52	2.41	1.59	2.26	2.22	5.27	3.66	0.69	5.42	1.07	4.92	1.21	35.24
1936	5.93	2.31	8.20	3.99	1.23	1.67	3.14	7.04	2.60	3.12	2.14	6.48	47.85
1937	5.26	2.51	3.87	5.17	7.32	6.45	1.63	3.26	5.19	4.99	6.02	2.84	54.51
1938	5.22	1.79	2.04	2.45	3.43	6.48	8.09	2.21	12.95	2.37	2.67	4.16	53.88
Av. 13 yrs.	3.71	2.72	3.73	3.79	3.58	3.98	3.87	4.08	4.82	3.25	4.00	3.24	44.77
1939	2.65	3.47	3.32	4.69	1.37	3.73	2.06	3.30	3.20	3.74	0.82	3.03	35.38
1940	2.71	2.63	4.79	5.06	6.02	3.57	5.51	1.45	1.56	1.09	6.09	3.56	44.04
1941	2.27	1.94	1.37	0.84	1.96	2.41	3.44	3.48	0.82	2.07	3.63	4.06	28.29

*Records were kept during warm months 1921 to 1924 inclusive.

GREENWICH, MASS. Elevation, 490 feet.
Record October 1919 to June 1938 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.81	4.44	5.23	7.89	5.64	11.61	8.01	7.77	6.85	5.74	7.64	6.20	54.07
Year	1923	1920	1925	1921	1927	1922	1927	1927	1920	1926	1927	1920	1927
Min.	1.11	1.62	0.66	2.01	1.84	1.97	2.22	1.56	1.61	0.13	1.79	1.30	34.72
Year	1922	1923	1927	1922	1926	1924	1924	1925	1926	1924	1922	1928	1924
1929	3.91	2.91	3.32	7.09	4.09	2.48	1.52	1.52	6.23	2.02	3.18	3.48	41.75
1930	2.14	1.93	3.06	0.90	3.07	3.60	4.66	1.34	2.80	2.13	2.93	1.36	29.97
1931	2.83	1.64	3.75	2.73	6.63	4.67	3.29	7.03	2.59	2.50	0.90	3.85	42.41
1932	4.65	2.86	4.99	2.48	1.39	3.01	4.01	3.69	5.31	3.48	3.80	2.11	41.78
1933	2.56	4.19	5.25	5.87	1.85	3.11	1.92	6.14	10.70	4.37	1.47	3.87	51.30
1934	3.18	3.18	3.54	3.56	4.22	5.07	3.30	3.55	9.75	3.08	3.76	2.42	48.61
1935	5.05	2.32	1.85	2.56	2.54	5.82	3.61	0.73	4.63	1.42	3.89	0.89	35.31
1936	7.43	2.69	8.53	4.62	2.66	4.10	1.93	5.28	5.47	2.63	2.07	6.60	54.01
1937	5.62	1.86	3.11	3.97	5.16	6.78	1.74	4.99	5.78	4.04	6.28	2.89	52.22
Av. 18 yrs.	3.46	2.76	3.52	4.09	3.38	4.78	3.93	4.12	4.67	3.10	3.79	3.19	44.79
1938	4.07	2.39	2.83	3.27	3.37	8.46	——	——	——	——	——	——	——

GROTON, MASS. Elevation, 350 feet.
Record July 1885 to May 1909—January 1913 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.75	9.51	6.91	10.65	7.01	10.92	7.60	10.04	10.42	9.63	9.00	8.65	56.49
Year	1923	1900	1900	1901	1893	1903	1915	1927	1888	1890	1927	1901	1888
Min.	1.32	0.72	0.01	0.65	1.16	0.89	1.16	0.74	0.20	0.03	0.97	0.87	31.81
Year	1916	1901	1915	1892	1903	1894	1917	1894	1914	1924	1902	1892	1914
1929	4.46	4.67	3.23	6.25	4.57	2.40	1.53	1.63	1.71	2.84	2.57	3.04	38.90
1930	1.65	1.56	3.33	1.80	3.43	1.49	4.33	2.55	1.28	3.92	4.00	1.60	30.94
1931	3.31	2.61	5.33	3.04	4.67	5.31	2.33	4.42	1.51	2.01	1.25	3.88	39.67
1932	4.06	2.63	4.36	1.96	1.24	0.97	2.54	3.67	7.86	6.14	4.31	1.69	41.43
1933	2.29	4.20	7.37	5.55	2.53	2.05	2.57	4.65	9.71	4.14	1.17	3.32	49.55
1934	3.25	3.81	4.48	3.38	3.54	4.48	1.93	1.42	9.58	2.46	2.49	3.03	43.85
1935	6.40	3.34	1.55	3.55	1.73	8.06	2.44	1.50	5.23	0.80	5.03	1.19	40.82
1936	7.48	2.50	9.12	3.21	2.20	2.67	1.96	4.06	3.55	2.50	1.39	7.41	48.05
1937	4.15	1.87	3.62	5.73	4.11	4.72	1.57	3.89	3.20	3.78	6.18	4.01	46.83
1938	3.88	2.04	2.30	3.34	3.38	7.07	10.96	3.90	8.68	2.13	2.57	3.16	53.41
Av. 49 yrs.	3.61	3.49	3.90	3.63	3.41	3.63	3.56	3.82	4.07	3.44	3.62	3.50	43.68
1939	2.27	3.36	4.66	4.76	0.96	2.02	1.30	2.33	2.43	4.34	0.82	2.84	32.09
1940	2.87	3.45	3.62	5.76	5.88	2.31	2.89	1.35	2.53	0.82	7.33	2.64	41.45
1941	3.38	1.93	2.42	1.07	2.38	2.01	3.23	3.33	0.44	2.25	2.90	3.18	28.52

HARDWICK, MASS. (Gilbertville). Elevation, 560 feet.
Record June 1885 to May 1894 inclusive—See Vol. 44, No. 2, p. 241.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.68	7.50	7.17	3.77	6.81	5.40	9.63	11.19	9.84	7.94	5.91	5.68	60.67
Year	1887	1893	1890	1894	1892	1888	1889	1885	1888	1890	1889	1893	1888
Min.	2.38	1.13	1.11	0.69	1.13	2.08	2.39	3.39	1.30	0.73	1.68	1.39	45.17
Year	1890	1889	1894	1892	1887	1886	1885	1886	1885	1892	1890	1892	1892
Av. 8 yrs.	4.80	4.03	4.50	2.45	3.99	3.77	5.40	5.27	4.12	4.30	4.04	4.36	51.03

HARDWICK, MASS. Elevation, 950 feet.
Record May 1920 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.22	3.66	4.73	7.69	4.70	12.38	8.09	7.02	6.39	5.59	7.02	6.05	53.07
Year	1923	1927	1925	1921	1927	1923	1927	1928	1926	1923	1927	1920	1927
Min.	1.30	1.84	0.98	2.07	1.66	1.64	2.94	1.65	1.51	0.12	1.73	0.96	36.97
Year	1922	1923	1924	1926	1926	1924	1924	1925	1926	1924	1922	1928	1924
1929	4.18	3.16	3.23	4.90	3.53	2.24	1.03	1.68	4.25	2.08	2.58	3.27	36.83
1930	1.82	2.12	2.92	1.53	2.91	3.91	6.52	0.85	3.14	1.97	3.17	1.61	32.47
1931	2.37	2.26	3.78	2.38	5.96	3.97	3.12	7.99	2.72	2.75	1.30	3.54	42.14
1932	4.36	2.45	4.04	2.03	1.62	2.24	4.28	4.70	5.63	4.97	3.98	1.90	42.20
1933	2.44	4.32	5.06	6.72	1.39	2.88	1.70	6.02	10.31	5.25	1.27	3.26	50.62
1934	3.86	2.47	3.55	4.29	4.69	4.91	4.47	3.45	10.62	2.56	2.29	3.24	50.40
1935	5.73	3.41	2.56	4.13	2.39	6.67	3.85	0.85	4.92	0.80	3.81	0.85	39.97
1936	7.31	3.01	9.64	4.50	3.10	3.68	2.57	5.31	5.97	3.18	2.06	7.36	57.69
1937	5.32	2.26	3.30	3.75	5.07	5.54	3.09	6.10	4.52	4.19	7.27	2.79	53.20
1938	4.69	2.16	2.65	3.58	3.86	7.97	8.84	3.57	14.54	2.30	2.64	3.17	59.97
Av. 18 yrs.	3.60	2.72	3.48	4.07	3.23	4.73	4.41	4.10	5.14	3.29	3.41	3.04	45.22
1939	2.62	4.03	4.16	3.99	1.87	2.93	0.97	4.25	1.61	4.85	0.97	3.59	35.84
1940	2.43	3.17	5.24	6.57	5.36	2.47	2.97	2.07	2.05	1.06	6.57	2.72	42.68
1941	2.51	1.97	1.55	0.70	2.17	3.41	5.98	3.32	1.27	2.64	2.99	3.16	31.67

HAVERHILL, MASS. (City Hall).* Elevation, 125 feet.
Record January 1900 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1900	4.56	8.28	6.47	1.60	4.21	1.53	2.07	3.46	4.93	3.86	4.75	2.59	48.31
1901	1.23	0.70	5.23	8.99	6.88	1.16	3.41	2.76	2.04	2.98	2.81	8.35	46.54
1902	2.31	3.52	6.15	5.41	2.07	2.24	3.76	3.94	3.02	4.61	0.67	5.12	42.82
1903	2.93	2.89	5.52	3.60	0.67	9.37	2.35	3.43	1.89	3.14	1.21	3.18	40.18
1904	4.63	2.72	2.82	8.13	2.76	3.16	2.32	2.73	6.42	1.26	1.62	1.93	40.50
1905	5.77	1.66	3.00	2.80	1.23	7.04	1.29	2.58	5.82	1.05	1.95	4.68	38.87
1906	2.54	2.51	7.77	2.61	5.92	4.79	3.97	1.99	1.20	1.96	3.76	3.48	42.50
1907	3.84	1.80	1.78	2.99	2.04	2.79	4.53	0.86	7.20	4.12	5.39	3.36	40.70
1908	2.71	3.47	2.18	1.87	4.21	0.86	3.21	4.86	0.72	3.52	1.11	2.43	31.15
1909	3.85	4.57	3.08	4.20	1.72	1.23	1.85	2.45	4.51	0.97	3.89	3.85	36.17
1910	4.34	3.85	1.41	2.07	1.40	4.10	1.95	2.72	2.22	1.89	3.22	1.66	30.83
1911	2.13	2.65	3.55	1.74	0.53	2.63	5.02	4.39	2.04	2.41	3.72	3.20	34.01
1912	2.46	2.14	5.28	3.17	4.01	0.27	5.13	2.18	2.57	1.72	2.76	4.11	35.80
1913	2.05	2.30	3.94	3.04	3.48	0.90	0.95	2.57	2.44	7.89	1.83	3.82	35.21
1914	2.17	2.38	3.82	6.03	2.30	1.38	2.52	3.58	0.25	1.10	1.77	2.47	29.77
1915	3.24	2.75	0.01	1.08	1.57	1.62	10.98	5.88	0.60	2.82	3.29	2.88	36.72
1916	1.56	4.13	3.09	4.19	5.02	6.60	4.91	1.78	2.09	0.88	1.89	2.82	38.96
1917	2.64	1.98	3.60	3.07	3.15	5.13	1.89	3.12	1.06	5.81	1.06	2.96	35.47
1918	2.23	1.93	1.94	3.19	2.03	3.50	7.13	2.29	7.58	1.34	2.70	2.17	38.03
1919	3.51	2.28	3.94	2.47	5.88	3.03	2.74	2.96	4.10	2.92	6.10	1.59	41.52
1920	1.67	4.90	3.72	4.92	2.99	4.82	2.70	2.92	5.26	1.58	5.76	4.37	45.61
1921	1.38	2.84	2.07	4.27	2.31	2.19	5.92	1.46	2.07	2.45	6.56	2.07	35.59
1922	1.87	2.81	4.13	2.21	4.53	10.01	8.02	2.90	1.79	2.07	0.96	3.09	44.39
1923	6.59	1.36	2.37	4.68	1.67	3.06	2.60	2.14	1.91	3.80	4.09	5.17	39.44
1924	3.41	2.35	1.70	4.16	3.37	2.99	2.32	4.03	6.15	0.66	2.16	1.53	34.83
1925	3.07	1.64	7.37	2.23	2.11	3.40	3.24	1.61	2.22	5.00	4.18	4.39	40.46
1926	1.86	4.64	1.81	2.79	1.26	1.75	1.94	2.73	1.06	3.61	3.71	3.13	30.29
1927	2.49	3.10	1.28	1.16	2.20	1.78	3.53	7.36	3.68	4.22	4.57	3.97	39.34
1928	1.93	3.13	1.40	4.91	2.93	5.32	4.13	4.86	2.98	2.53	0.99	3.92	39.03
1929	2.49	3.87	3.56	5.50	3.30	2.93	0.71	1.49	2.03	2.19	2.72	3.22	34.01
1930	2.27	1.93	3.61	1.47	2.66	2.50	5.14	1.54	1.53	3.68	2.93	2.17	31.43
1931	2.67	2.42	5.02	2.69	2.89	6.11	2.32	4.46	3.01	2.52	0.91	3.16	38.18
1932	5.19	1.93	4.29	1.77	0.74	1.03	3.07	3.17	5.66	5.77	4.23	1.53	38.38
1933	2.47	3.25	5.95	6.57	1.77	1.38	4.28	2.27	8.49	4.05	1.37	3.37	45.22
1934	2.79	3.62	2.71	4.31	2.84	3.50	1.64	1.51	6.26	3.14	2.61	2.18	37.11
1935	6.84	3.19	1.58	3.75	1.05	6.40	3.55	1.06	4.88	0.91	6.10	1.21	40.52
1936	7.18	3.07	6.80	2.69	1.81	2.20	4.89	2.77	1.51	2.93	1.19	7.32	44.36
1937	4.04	2.17	3.61	4.35	3.07	3.85	0.42	2.08	3.52	3.82	5.07	4.37	40.37
1938	4.65	2.30	1.81	3.29	3.58	6.55	12.86	4.44	7.41	2.51	2.65	2.95	55.00
Av. 39 yrs.	3.22	2.90	3.57	3.59	2.77	3.46	3.72	2.96	3.44	2.92	3.03	3.33	38.91
1939	2.12	2.64	5.54	4.95	1.56	3.01	1.52	4.43	2.06	3.27	2.20	3.23	36.53
1940	2.26	4.55	4.00	4.67	4.13	4.44	3.41	1.25	2.73	0.53	6.19	3.09	41.25
1941	2.99	1.90	2.54	0.67	2.78	1.72	4.71	1.06	1.28	2.42	2.23	3.53	27.83

*Corrected.

HAVERHILL, MASS. (Kenoza Lake).* Elevation, 119 feet.
Record January 1895 to December 1939 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1895	5.10	1.50	2.90	3.65	2.10	3.30	3.85	2.90	2.40	7.45	5.80	3.20	44.15
1896	2.50	5.60	7.20	1.40	2.50	2.00	3.20	2.60	7.20	3.15	2.60	1.90	41.85
1897	4.20	3.60	3.60	1.80	4.20	6.00	3.80	2.60	2.90	2.50	4.70	5.10	45.00
1898	2.90	6.70	1.10	5.50	3.30	2.40	2.00	6.70	2.40	7.80	3.50	4.50	48.80
1899	3.60	4.40	8.10	2.20	0.70	2.60	3.50	2.00	4.50	2.60	3.00	0.90	38.10
1900	6.10	8.80	6.50	0.80	3.50	1.00	1.10	4.60	4.90	3.40	3.90	0.20	44.80
1901	1.80	1.00	3.90	8.80	6.80	1.20	2.75	3.20	2.00	2.90	2.30	9.20	45.85
1902	2.31	3.52	6.15	5.41	2.07	2.24	3.76	3.94	3.02	4.61	0.67	5.12	42.82
1903	2.93	2.89	5.52	3.60	0.67	9.37	2.35	3.43	1.89	3.14	1.21	3.18	40.18
1904	4.63	2.72	2.82	8.13	2.76	3.16	2.32	2.73	6.42	1.26	1.62	1.93	40.50
1905	5.77	1.66	3.00	2.80	1.23	7.04	1.29	2.58	5.82	1.05	1.95	4.68	38.87
1906	2.54	2.51	7.77	2.61	5.92	4.79	3.97	1.99	1.20	1.96	3.76	3.48	42.50
1907	3.84	1.80	1.78	2.99	2.04	2.79	4.53	0.86	7.20	4.12	5.39	3.36	40.70
1908	2.71	3.47	2.18	1.87	4.21	0.86	3.21	4.86	0.72	3.52	1.11	2.43	31.15
1909	3.85	4.57	3.08	4.20	1.72	1.23	1.85	2.45	4.51	0.97	3.89	3.85	36.17
1910	4.34	3.85	1.41	2.07	1.40	4.10	1.95	2.72	2.22	1.89	3.22	1.66	30.83
1911	2.13	2.65	3.55	1.74	0.53	2.63	5.02	4.39	2.04	2.41	3.72	3.20	34.01
1912	2.46	2.14	5.28	3.17	4.01	0.27	5.13	2.18	2.57	1.72	2.76	4.11	35.80
1913	2.05	2.30	3.94	3.04	3.48	0.90	0.95	2.57	2.44	7.89	1.83	3.82	35.21
1914	2.17	2.38	3.82	6.03	2.30	1.38	2.52	3.58	0.25	1.10	1.77	2.47	29.77
1915	3.24	2.75	0.01	1.08	1.57	1.62	10.98	5.88	0.60	2.82	3.29	2.88	36.72
1916	1.56	4.13	3.09	4.19	5.02	6.60	4.91	1.78	2.09	0.88	1.89	2.82	38.96
1917	2.64	1.98	3.60	3.07	3.15	5.13	1.89	3.12	1.06	5.81	1.06	2.96	35.47
1918	2.23	1.93	1.94	3.19	2.03	3.50	7.13	2.29	7.58	1.34	2.70	2.17	38.03
1919	3.51	2.28	3.94	2.47	5.88	3.03	2.74	2.96	4.10	2.92	6.10	1.59	41.52
1920	1.67	4.90	3.72	4.92	2.99	4.82	2.70	2.92	5.26	1.58	5.76	4.37	45.61
1921	1.50	1.95	2.27	3.99	2.18	2.52	6.06	1.25	2.05	2.34	6.50	1.91	34.52
1922	1.32	2.33	4.54	1.44	4.95	10.58	8.40	3.10	2.34	2.19	0.82	2.44	44.45
1923	5.32	1.30	2.32	4.80	1.71	2.93	3.44	2.32	1.68	3.87	4.16	4.26	38.11
1924	3.29	1.99	1.28	4.47	3.34	3.13	2.67	3.96	7.40	0.02	2.62	1.63	35.80
1925	2.70	2.06	7.33	2.38	2.51	3.07	3.47	1.63	2.06	5.20	4.44	4.75	41.60
1926	2.04	3.36	2.59	2.07	1.23	1.68	2.27	3.16	1.27	3.79	4.11	2.92	30.49
1927	1.92	2.98	1.26	1.13	2.25	1.80	4.58	6.95	4.28	4.53	4.67	4.43	40.78
1928	2.22	2.90	1.24	4.56	2.88	5.82	3.73	5.23	2.89	2.64	2.02	2.97	39.10
1929	2.94	3.94	3.31	5.63	3.40	3.07	0.96	1.41	2.74	2.43	2.40	3.14	35.37
1930	2.05	1.94	3.70	1.64	2.58	2.91	5.19	1.97	1.47	3.83	3.05	1.54	31.87
1931	2.96	2.24	4.74	3.26	3.17	6.41	2.62	4.81	3.14	2.79	1.03	3.59	40.76
1932	4.56	1.95	4.26	1.63	0.69	1.33	3.39	3.92	6.11	7.07	4.85	1.71	41.47
1933	2.61	3.07	6.11	5.83	1.90	0.97	3.65	2.45	8.76	4.14	1.38	3.85	44.72
1934	3.09	4.00	4.82	2.51	2.98	3.85	2.32	1.32	7.04	3.32	2.82	2.52	40.59
1935	7.18	3.30	1.67	4.07	1.41	6.89	4.48	1.26	4.77	0.87	5.61	1.29	42.80
1936	6.91	3.09	7.87	4.33	2.53	2.60	5.04	2.99	3.20	1.94	1.28	7.95	49.73
1937	5.11	2.31	4.13	5.16	3.51	4.98	0.49	2.35	3.96	4.20	6.01	5.25	47.46
1938	3.87	2.87	1.98	3.43	3.78	6.74	12.28	4.30	7.93	2.38	3.04	3.17	55.77
Av. 44 yrs.	3.28	3.04	3.76	3.48	2.80	3.53	3.74	3.09	3.64	3.14	3.19	3.28	39.97
1939	1.80	3.69	4.24	5.16	1.60	3.52	1.16	4.96	2.34	4.57	0.90	3.27	37.21
1940	2.96	3.01	4.16	4.87	5.47	3.28	4.08	1.42	2.93	0.64	6.27	3.04	42.13
1941	3.11	2.68	1.61	1.27	3.00	2.21	4.79	2.35	0.39	2.73	2.57	4.37	31.08

*Using Haverhill, City Hall records for years 1902-1920 inclusive.

HEATH, MASS. Elevation, 1,450 feet.
Record October 1919 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.48	5.70	7.13	7.86	7.39	7.84	5.75	6.88	8.00	10.10	8.57	5.14	56.76
Year	1923	1920	1922	1924	1922	1928	1927	1928	1924	1923	1927	1920	1920
Min.	1.76	1.94	0.83	1.50	1.72	2.16	2.81	2.87	2.25	0.00	1.91	0.90	41.24
Year	1921	1922	1924	1927	1925	1924	1924	1923	1922	1924	1922	1928	1928
1929	3.42	3.51	3.98	6.46	4.04	2.71	1.66	1.70	2.79	3.73	2.51	3.57	40.08
1930	2.71	1.18	5.27	1.71	4.46	4.97	3.94	2.82	1.98	2.64	3.81	1.08	36.57
1931	2.67	2.37	4.06	3.49	6.44	5.52	3.81	4.11	3.95	2.69	1.81	4.23	45.15
1932	5.48	2.39	4.11	2.63	2.16	1.55	4.64	3.14	2.64	6.02	7.82	2.15	44.73
1933	2.82	3.02	5.60	5.33	1.82	1.79	2.25	6.73	6.58	3.06	1.26	3.81	44.07
1934	3.56	2.87	3.69	5.02	2.81	5.90	3.70	2.61	9.12	2.21	4.49	3.23	49.21
1935	5.26	2.57	2.33	2.25	2.81	6.58	6.30	1.40	5.50	1.26	5.28	1.30	42.84
1936	5.56	2.78	8.43	3.86	2.12	2.29	2.78	7.67	2.27	3.17	2.48	6.21	49.62
1937	5.38	3.72	4.43	4.56	7.11	4.32	2.32	5.25	6.87	6.25	5.84	3.41	59.46
1938	5.21	2.25	2.52	3.37	4.81	5.72	7.35	3.55	12.68	2.44	3.24	3.74	56.88
Av. 19 yrs.	3.63	3.00	3.87	4.02	3.64	4.62	4.10	3.99	4.95	3.50	4.56	3.16	47.04
1939	3.35	3.75	3.68	5.87	1.60	4.88	1.84	4.38	3.60	3.94	1.27	3.00	41.16
1940	2.44	4.20	5.33	5.27	6.58	4.28	5.44	3.42	3.34	1.19	6.01	3.56	51.06
1941	2.66	2.99	2.31	1.35	2.83	6.67	4.24	3.50	1.03	2.66	3.14	4.79	38.17

HINGHAM, MASS. (Henry W. Cushing). Elevation, 70 feet.
Record September 1885 to December 1925 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.66	8.50	8.00	8.18	7.04	7.69	10.50	8.54	10.63	10.81	9.64	9.08	58.90
Year	1915	1886	1890	1904	1901	1922	1921	1917	1918	1890	1888	1901	1901
Min.	1.41	0.92	T	0.91	0.24	0.78	0.77	0.98	0.62	0.12	0.47	1.27	34.90
Year	1916	1917	1915	1892	1903	1912	1909	1899	1914	1924	1917	1892	1910
Av. 40 yrs.	4.01	3.84	4.01	3.67	3.48	3.13	3.99	3.87	3.72	3.91	3.88	3.95	45.46

HINGHAM, MASS. (Water Co.). Elevation, 50 feet.
Record January 1897 to December 1933 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.66	7.98	8.55	8.69	6.91	7.40	10.52	11.85	9.91	9.21	7.56	9.07	62.46
Year	1923	1926	1903	1904	1901	1922	1921	1927	1907	1898	1921	1901	1898
Min.	1.63	0.93	0.00	1.09	0.31	0.35	1.09	1.18	0.75	0.12	0.43	1.63	34.01
Year	1916	1901	1915	1915	1911	1912	1909	1899	1914	1924	1917	1899	1910
1929	4.35	4.17	3.92	7.51	3.96	1.71	1.54	3.10	1.73	3.49	3.51	5.08	44.07
1930	3.70	3.07	3.14	1.67	2.50	1.39	3.04	2.67	0.12	3.87	4.25	2.63	32.05
1931	4.28	3.05	5.40	3.14	5.81	10.43	2.50	3.78	2.80	3.65	0.83	3.19	48.86
1932	6.10	2.41	6.96	1.27	1.38	2.19	3.08	6.33	4.60	8.88	4.68	2.29	50.17
1933	2.40	4.15	6.02	6.29	2.67	1.68	3.77	3.80	9.08	4.05	1.12	3.97	47.91
Av. 37 yrs.	3.83	3.88	4.02	3.88	3.29	3.37	4.02	3.92	3.55	3.66	3.56	4.01	44.97

HINGHAM, MASS. (Vicinity of Accord Pond). Elevation, 150 feet.
[Gage moved to Fulling Mill Station (Elevation 40) in April 1940.]
Record January 1917 to December 1932—January 1934 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.16	7.19	4.88	5.05	5.56	7.15	10.98	10.28	10.62	6.64	7.53	5.97	53.30
Year	1923	1920	1925	1928	1921	1922	1921	1927	1918	1917	1921	1925	1919
Min.	1.29	1.74	1.62	1.98	0.96	1.56	1.30	1.19	0.92	0.11	0.35	1.80	34.55
Year	1922	1925	1927	1926	1923	1926	1917	1925	1921	1924	1917	1924	1924
1929	3.80	4.10	3.35	8.15	3.32	2.05	1.18	2.34	2.60	3.10	3.54	4.51	42.04
1930	3.83	3.28	3.14	1.64	3.25	2.10	1.89	2.55	0.15	4.90	3.65	3.12	33.50
1931	3.02	3.52	6.64	3.12	5.20	8.51	2.56	4.61	2.21	2.93	0.74	2.53	45.59
1932	4.21	2.08	5.86	1.30	1.70	2.46	2.27	2.79	3.96	8.27	4.48	1.58	40.96
1933	——	4.30	6.38	——	——	2.54	3.66	3.09	9.92	3.03	0.70	4.48	——
1934	3.81	4.07	3.97	4.30	2.54	2.91	1.49	2.23	4.48	2.03	2.17	2.78	36.78
1935	6.02	2.67	1.65	8.92	1.70	5.66	1.46	4.99	2.78	0.87	6.97	1.60	45.29
1936	7.49	3.32	7.04	3.90	2.05	3.60	2.02	5.91	8.25	1.89	1.72	10.25	57.44
1937	4.64	1.36	3.31	5.80	2.50	3.73	1.51	4.47	4.66	4.75	6.04	4.68	47.45
1938	4.05	2.61	3.27	2.89	4.02	7.53	8.73	3.32	6.89	3.79	3.12	3.94	54.16
Av. 21 yrs.	3.86	3.26	3.73	3.82	3.20	3.87	3.58	4.20	4.01	3.37	3.52	3.79	44.21
1939	2.86	4.87	5.16	5.54	1.20	3.54	0.40	3.23	1.64	6.53	2.14	2.93	40.04
1940	2.55	5.65	3.90	6.71	3.98	2.69	2.92	2.26	3.92	1.86	6.64	2.64	45.72
1941	4.03	2.02	2.30	2.28	2.34	3.31	3.27	3.58	0.34	1.60	2.24	3.22	30.53

HOLDEN, MASS. (Kendall Reservoir). Elevation, 1,100 feet.
Record December 1912 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.64	6.21	6.27	6.94	6.68	9.84	8.71	8.63	8.54	7.94	8.82	6.26	56.15
Year	1923	1926	1919	1921	1919	1922	1915	1922	1919	1917	1921	1927	1920
Min.	1.23	1.93	0.09	1.49	0.96	0.94	1.17	1.83	0.15	0.08	0.78	1.98	36.23
Year	1922	1918	1915	1915	1918	1913	1917	1925	1914	1924	1917	1924	1914
1929	4.71	4.23	3.16	5.79	5.98	3.29	1.04	2.06	3.21	3.60	3.35	3.01	43.43
1930	1.91	2.09	3.37	1.84	3.54	4.57	4.35	1.79	2.37	4.09	4.16	2.32	36.40
1931	2.88	2.73	4.57	2.92	5.56	6.90	3.02	8.38	2.27	2.85	1.39	3.64	47.11
1932	5.07	1.93	4.89	1.89	2.05	3.05	3.27	4.79	7.80	7.90	5.55	1.91	50.10
1933	2.35	3.92	5.17	4.81	2.28	2.69	1.44	4.70	10.63	3.47	1.55	3.04	46.05
1934	3.92	2.43	3.53	4.21	4.58	5.77	2.90	2.14	10.01	2.94	2.74	4.17	49.34
1935	4.89	3.11	1.93	2.69	2.46	6.02	2.63	1.83	4.27	0.90	4.38	1.24	36.35
1936	6.86	2.45	11.81	3.56	4.68	2.54	2.65	5.23	4.66	3.91	1.36	7.79	57.50
1937	5.23	2.01	3.08	4.76	4.45	5.29	2.68	5.65	3.34	5.25	8.67	2.97	53.38
1938	4.49	2.16	2.68	2.99	3.64	8.08	9.95	3.58	11.80	2.60	3.29	3.18	58.44
Av. 26 yrs.	3.71	3.32	4.04	3.77	3.56	4.26	4.07	4.16	4.77	3.62	4.01	3.48	46.77
1939	2.26	3.85	3.59	4.05	1.46	4.09	1.72	4.21	3.28	4.47	1.06	3.62	37.66
1940	3.10	3.19	4.37	6.02	5.40	2.12	4.30	1.42	2.01	1.30	7.39	2.50	43.12
1941	2.20	2.47	1.27	1.07	2.14	3.28	3.27	3.10	0.80	2.62	2.82	3.57	28.61

HOLDEN, MASS. (Vicinity Holden Reservoirs). Elevation, 750 feet.
Record January 1885 to February 1887—May 1887 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.63	8.76	7.47	9.86	7.26	10.10	10.11	9.95	10.48	9.78	8.22	10.09	59.71
Year	1923	1900	1896	1901	1901	1903	1915	1887	1907	1890	1921	1901	1901
Min.	1.30	0.85	0.09	0.19	0.82	0.15	1.21	1.15	0.20	0.12	0.84	0.43	30.19
Year	1896	1895	1915	1892	1887	1894	1893	1894	1914	1924	1917	1892	1894
1929	4.48	3.82	2.99	6.75	5.48	2.93	0.73	1.64	4.50	3.44	3.37	3.02	43.15
1930	1.95	1.93	3.37	1.66	3.25	4.58	4.22	1.34	1.86	4.11	3.54	2.16	33.97
1931	3.17	2.53	4.91	3.25	4.78	6.24	2.37	5.67	1.71	2.42	1.26	3.45	41.76
1932	4.94	2.03	5.06	1.90	1.58	2.58	2.92	5.26	7.67	7.60	5.64	1.83	49.01
1933	2.49	3.93	5.25	5.14	2.53	1.86	1.57	5.04	11.18	3.05	1.70	3.49	47.23
1934	4.10	2.93	3.81	4.26	5.52	6.00	4.18	2.96	9.73	3.42	2.83	4.04	53.78
1935	5.76	3.19	1.85	4.44	3.73	6.50	2.62	2.94	4.91	0.80	4.99	1.17	42.90
1936	7.85	2.92	11.88	3.67	4.59	2.45	3.31	5.74	5.21	3.36	1.51	7.46	59.95
1937	5.89	2.08	3.78	6.14	4.61	4.31	2.18	4.49	4.41	4.92	9.10	3.37	55.28
1938	4.98	2.35	2.76	3.30	3.84	6.47	11.19	3.05	10.90	2.94	3.52	3.73	59.03
Av. 53 yrs.	3.82	3.49	4.11	3.68	3.60	3.65	4.15	3.97	4.31	3.67	3.98	3.69	46.12
1939	2.39	4.30	4.47	3.88	1.92	5.54	0.89	4.37	2.64	4.82	1.01	3.76	39.99
1940	3.16	4.81	4.60	6.86	5.46	2.43	4.05	1.63	1.79	1.33	6.92	2.54	45.58
1941	2.50	2.47	1.91	1.06	1.96	3.70	2.90	3.52	0.70	2.22	2.83	3.66	29.43

HOLDEN, MASS. (Jefferson Station). Elevation, 820 feet.
Record January 1897 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	9.46	8.60	6.90	9.44	7.33	9.38	8.48	11.89	9.70	7.28	8.03	9.35	60.41
Year	1923	1900	1899	1901	1901	1922	1897	1898	1907	1898	1897	1901	1898
Min.	1.77	1.39	0.08	1.87	0.82	0.52	1.16	1.37	0.19	0.06	0.95	2.08	38.73
Year	1916	1901	1915	1917	1905	1912	1910	1907	1914	1924	1902	1928	1910
1929	4.90	4.41	3.38	5.79	4.62	3.73	0.72	1.62	2.31	3.29	3.20	3.28	41.25
1930	2.12	2.58	3.73	2.09	2.93	3.54	5.93	1.78	2.58	3.80	3.97	2.34	37.39
1931	3.42	3.28	4.82	3.07	5.24	6.75	2.86	7.62	2.63	2.31	1.34	3.78	47.12
1932	6.31	3.24	6.05	1.92	1.88	2.21	3.49	4.70	7.74	7.46	4.82	2.26	52.08
1933	2.90	5.60	6.23	7.76	3.07	1.82	1.90	5.45	10.76	3.60	1.81	3.83	54.73
1934	3.72	4.37	4.39	4.45	4.16	5.54	2.51	2.42	9.93	3.08	3.17	4.36	52.10
1935	6.90	3.80	2.42	4.26	2.72	5.63	2.95	1.84	4.69	0.74	4.77	1.22	41.94
1936	7.67	3.10	12.05	3.76	4.30	2.33	2.57	5.73	5.30	4.08	1.72	8.41	61.02
1937	6.22	2.29	4.22	5.35	4.43	4.42	1.67	4.98	4.49	4.72	8.54	3.54	54.87
1938	5.10	2.79	3.22	3.36	3.86	8.01	8.13	4.86	12.54	2.33	4.20	3.64	62.04
Av. 42 yrs.	4.17	4.03	4.41	4.06	3.44	4.17	4.12	4.32	4.35	3.43	3.86	4.12	48.48
1939	2.90	4.32	6.16	4.70	1.63	3.41	1.94	4.62	2.98	4.77	1.12	3.74	42.29
1940	3.51	5.63	4.84	6.57	5.31	2.07	4.86	1.51	2.58	1.23	7.44	2.87	48.42
1941	4.44	2.76	3.16	0.89	2.04	3.23	3.71	3.23	0.72	2.29	3.13	3.86	33.46

Note:—November 1927 should read 7.12, total for the year 59.72; 32 year average for November is 3.90, the yearly average is 47.86.

HOLYOKE, MASS. (Whiting St. Reservoir). Elevation, 370 feet.
Record January 1907 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.68	6.84	5.89	5.90	6.91	9.74	6.91	9.84	9.78	8.40	8.43	6.16	51.41
Year	1910	1920	1913	1924	1919	1922	1915	1928	1907	1911	1927	1920	1927
Min.	1.39	1.05	0.10	1.74	1.15	0.59	1.10	1.38	0.18	0.46	0.73	1.43	35.21
Year	1922	1912	1915	1911	1911	1912	1913	1907	1908	1924	1908	1910	1914
1929	4.88	4.45	3.50	7.37	4.56	1.78	0.70	1.48	2.47	3.17	3.04	4.15	41.55
1930	2.23	1.81	4.02	1.74	4.68	5.37	4.63	2.41	1.61	2.42	3.86	2.69	37.47
1931	4.17	1.77	4.07	3.11	6.90	6.05	5.27	4.75	1.65	3.34	1.37	3.82	46.27
1932	4.95	2.78	4.10	2.79	1.77	4.03	2.84	4.90	3.03	6.21	7.46	1.81	46.67
1933	2.48	3.80	5.84	6.11	2.79	3.82	1.21	6.03	8.77	3.32	1.32	3.82	49.31
1934	4.03	3.51	2.52	6.38	4.50	6.32	1.92	4.08	11.72	2.70	3.58	4.70	55.96
1935	4.56	3.02	2.13	2.54	2.10	5.45	4.61	0.56	4.66	1.21	4.83	1.07	36.74
1936	5.80	3.32	8.55	4.48	2.79	4.13	1.68	4.44	3.05	4.90	2.12	6.28	51.54
1937	5.92	2.99	3.57	4.92	4.80	5.02	4.68	9.38	4.16	5.19	6.02	2.86	59.51
1938	6.53	2.14	2.04	3.14	4.02	8.82	9.75	1.89	12.74	2.76	3.61	4.28	61.72
Av. 32 yrs.	3.61	3.23	3.50	3.81	3.78	4.16	3.78	4.27	4.10	3.29	3.69	3.36	44.58
1939	2.70	4.34	4.43	4.30	0.88	3.60	2.76	6.04	3.32	4.52	0.90	3.27	41.06
1940	3.20	3.95	5.33	6.57	6.11	3.62	2.91	1.70	3.58	1.24	6.24	2.72	47.17
1941	2.91	2.59	2.62	0.97	2.34	4.89	5.83	3.63	0.88	2.05	3.39	4.07	36.17

HOLYOKE, MASS. (High Service Reservoir). Elevation, 450 feet.
Record January 1907 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.11	5.29	6.24	6.21	6.80	7.27	8.37	8.18	8.66	8.73	8.23	5.97	52.86
Year	1910	1909	1913	1909	1908	1922	1915	1915	1907	1911	1927	1920	1920
Min.	1.28	1.72	0.08	1.39	0.87	0.52	1.16	1.23	0.15	0.48	0.71	1.34	33.15
Year	1922	1911	1915	1908	1911	1912	1913	1907	1908	1924	1908	1928	1924
1929	4.43	3.74	2.80	6.81	4.25	0.94	0.44	1.91	2.75	3.55	3.12	3.50	38.24
1930	1.96	1.61	3.59	1.87	4.79	6.83	5.72	2.02	2.26	2.09	3.69	1.64	38.07
1931	3.19	1.70	3.71	2.79	6.47	6.59	3.35	4.38	1.79	2.89	1.41	3.11	41.38
1932	4.92	2.44	3.95	2.37	1.71	7.94	3.84	3.90	3.45	6.10	7.54	1.40	49.56
1933	1.87	3.43	5.42	5.51	2.83	3.33	1.71	6.44	8.03	2.99	1.09	3.97	46.62
1934	3.65	2.92	2.10	6.26	4.57	6.37	2.21	5.34	10.31	2.61	3.94	3.88	54.16
1935	4.33	2.83	1.68	2.37	1.98	5.27	4.70	0.40	4.50	0.74	3.51	0.86	33.17
1936	5.71	2.69	6.62	4.32	3.16	4.37	1.84	4.93	2.79	4.58	1.52	6.12	48.65
1937	5.11	2.60	3.50	4.86	5.28	4.69	4.07	7.95	3.28	4.85	5.46	2.25	53.90
1938	5.71	2.19	2.21	3.24	3.92	7.60	9.84	1.73	11.35	2.72	3.40	4.21	58.12
Av. 32 yrs.	3.30	3.04	3.30	3.66	3.69	4.18	3.81	4.06	3.77	3.33	3.48	3.05	42.67
1939	2.59	3.99	4.08	4.12	0.95	4.30	2.30	8.31	2.95	4.67	0.87	3.02	42.15
1940	3.22	3.36	5.12	6.07	6.53	3.58	3.26	2.20	2.40	1.42	6.96	2.77	46.89
1941	2.11	2.81	1.88	1.04	2.29	4.74	7.24	3.11	0.76	1.98	3.41	3.96	35.33

HOLYOKE, MASS. (Ashley Pond). Elevation, 330 feet.
Record January 1907 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.40	5.78	6.11	6.29	6.53	7.54	7.84	9.53	8.89	8.85	8.13	5.67	52.30
Year	1910	1909	1913	1909	1919	1922	1915	1915	1907	1911	1927	1920	1920
Min.	1.31	1.70	0.10	1.75	0.99	0.48	1.06	1.33	0.18	0.41	0.83	1.74	32.76
Year	1922	1923	1915	1927	1911	1912	1913	1907	1908	1924	1908	1928	1908
1929	4.51	4.01	2.87	6.10	4.36	0.85	0.42	1.91	2.87	3.43	2.97	3.59	37.89
1930	2.10	1.64	3.41	1.52	4.88	6.62	5.08	1.68	2.16	2.21	3.82	1.56	36.68
1931	3.04	1.59	3.13	3.02	6.17	7.05	3.80	4.35	1.85	2.83	1.34	3.29	41.46
1932	4.91	2.28	3.51	1.85	1.62	8.09	3.87	4.24	3.85	6.52	8.33	1.64	50.71
1933	1.81	3.29	5.37	5.62	2.72	3.39	1.91	7.09	8.61	3.25	1.22	3.62	47.90
1934	3.85	3.34	2.42	5.51	4.90	6.95	2.63	5.47	11.68	2.61	3.61	4.41	57.38
1935	4.21	2.53	1.53	2.40	2.27	5.71	5.58	0.81	5.16	0.85	4.31	0.95	36.31
1936	5.65	2.80	7.37	3.95	3.72	4.25	1.98	5.11	3.02	4.90	1.84	6.18	50.77
1937	5.22	2.57	3.39	4.57	5.41	4.90	3.91	8.02	3.67	6.42	5.71	2.34	56.13
1938	6.08	2.05	2.20	3.34	4.22	8.22	10.76	1.98	12.75	3.11	3.66	4.08	62.45
Av. 32 yrs.	3.39	3.10	3.29	3.56	3.55	4.20	3.87	4.29	3.98	3.41	3.59	3.18	43.41
1939	2.82	4.55	4.31	4.19	1.08	4.46	3.37	8.54	3.53	5.62	1.14	3.10	46.71
1940	2.92	3.57	5.66	6.06	6.36	3.32	3.18	2.31	2.99	1.62	6.86	2.21	47.06
1941	2.72	2.32	2.33	1.06	2.58	5.46	7.49	3.05	0.86	2.25	3.66	3.52	37.30

HOLYOKE, MASS. (Holyoke Water Power Co.). Elevation, 90 feet.
Record July 1897 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.35	8.85	6.84	7.72	7.12	8.13	15.77	9.37	9.43	8.94	8.05	8.25	60.07
Year	1923	1900	1899	1901	1901	1922	1897	1928	1907	1911	1927	1902	1920
Min.	1.50	0.63	0.11	1.44	0.53	0.45	0.59	1.08	0.19	0.65	0.82	1.67	34.53
Year	1916	1901	1915	1900	1911	1912	1924	1899	1914	1897	1917	1928	1924
1929	4.22	4.74	3.51	6.43	4.54	1.08	0.36	1.97	3.05	3.13	2.87	4.16	40.06
1930	2.00	1.83	3.42	1.36	4.64	5.94	4.26	1.56	1.56	2.01	3.92	1.43	33.93
1931	3.54	1.64	3.66	2.82	6.32	6.45	2.84	4.29	1.46	2.60	0.82	3.71	40.15
1932	4.34	2.58	3.50	2.51	1.90	7.23	3.20	4.90	3.85	5.42	6.38	1.48	47.29
1933	2.30	3.61	5.09	5.47	2.41	2.85	1.11	6.50	8.13	3.05	0.79	3.78	45.09
1934	3.87	2.83	2.58	5.95	4.87	6.32	2.47	4.09	13.35	2.43	2.68	3.34	51.78
1935	5.58	2.96	1.66	2.58	2.00	5.14	3.27	0.63	4.73	0.65	4.00	0.90	34.10
1936	6.45	3.17	7.23	3.65	3.42	3.84	1.58	4.09	3.08	4.34	1.68	5.86	48.39
1937	5.48	2.38	3.50	4.33	4.93	3.96	2.66	5.70	3.33	4.26	5.90	2.29	48.72
1938	5.38	2.02	1.95	3.15	3.69	7.20	9.65	1.57	11.79	2.86	3.06	3.93	56.25
Av. 41 yrs.	3.73	3.51	3.89	3.79	3.62	3.91	3.84	4.23	3.83	3.37	3.29	3.54	44.55
1939	2.37	3.34	4.94	4.14	1.16	3.37	3.17	4.77	2.94	4.80	0.97	3.22	39.19
1940	3.01	3.33	5.33	6.02	5.71	3.14	3.39	1.72	2.53	1.27	6.25	2.54	44.24
1941	2.58	1.83	2.27	0.77	2.05	3.42	5.73	1.57	2.02	1.85	3.70	3.83	31.62

HOUSATONIC RIVER WATERSHED, MASS.
Record January 1913 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1913	3.92	2.73	6.06	3.60	3.38	1.10	2.48	2.72	2.87	6.25	3.75	2.56	41.42
1914	2.24	2.55	4.18	5.58	2.54	2.49	4.15	3.44	0.48	1.48	2.24	2.41	33.78
1915	4.69	5.03	0.18	1.86	1.93	3.46	8.72	6.53	2.46	2.31	1.88	6.29	45.34
1916	2.18	3.43	3.05	3.18	2.56	3.77	5.89	2.43	5.90	1.19	4.10	2.97	40.65
1917	3.13	2.14	3.26	1.72	3.55	4.23	3.93	2.51	1.11	5.97	1.06	1.92	34.53
1918	2.54	2.97	2.34	3.26	3.63	3.32	2.28	4.35	6.13	2.29	2.59	3.40	39.10
1919	2.23	2.75	4.81	2.32	6.75	1.42	4.53	3.28	4.34	3.46	5.13	1.99	43.01
1920	2.04	4.00	3.26	5.57	1.58	5.60	3.27	4.43	6.65	2.21	4.70	4.51	47.82
1921	2.23	2.40	4.85	4.72	1.87	2.83	4.26	4.07	2.94	2.23	5.91	1.80	40.11
1922	1.93	2.58	6.32	2.67	4.92	7.45	4.11	5.47	1.89	2.90	1.72	2.29	44.25
1923	5.64	1.76	1.54	2.70	2.83	4.38	4.04	3.42	3.73	5.93	3.44	4.02	43.43
1924	3.08	2.04	1.19	6.09	3.55	1.99	3.20	4.10	7.97	0.07	3.10	2.04	38.42
1925	2.48	3.22	4.08	3.36	3.36	4.47	6.70	1.96	3.41	3.51	3.96	1.91	42.42
1926	2.19	3.77	2.72	2.85	2.11	3.70	3.90	4.85	3.17	5.29	4.66	2.45	41.66
1927	2.64	3.15	1.81	1.54	4.89	2.74	5.40	5.98	2.21	6.27	10.69	5.19	52.51
1928	2.52	3.16	1.86	3.88	2.80	6.92	6.44	8.35	2.39	1.12	1.98	0.98	42.40
1929	3.22	3.36	3.72	7.26	3.20	2.70	1.10	1.51	3.28	2.96	2.76	3.21	38.28
1930	2.13	1.92	3.53	1.86	3.76	4.88	4.53	3.25	1.67	1.78	3.73	1.45	34.49
1931	2.56	1.74	3.02	2.35	6.12	4.52	5.65	3.83	2.73	2.72	1.72	3.52	40.48
1932	5.01	2.08	4.31	2.41	2.09	3.16	4.86	5.02	2.55	4.40	6.41	1.65	43.95
1933	2.24	3.32	4.91	4.45	2.52	2.22	3.29	8.35	8.92	2.87	1.68	3.56	48.33
1934	3.14	2.63	2.77	3.58	4.26	6.23	3.91	3.52	8.84	2.46	4.55	2.80	48.69
1935	4.50	2.71	1.90	2.12	2.58	5.01	4.65	1.32	3.72	1.69	4.98	1.28	36.46
1936	4.98	2.21	7.44	4.32	3.18	1.93	2.40	6.27	3.82	3.00	2.20	4.69	46.44
1937	5.27	2.60	3.73	3.31	4.90	6.14	2.33	7.26	5.29	5.76	3.76	2.89	53.24
1938	3.81	1.78	1.94	2.46	3.34	6.99	9.18	4.31	11.41	1.96	3.15	3.38	53.71
Av. 26 yrs.	3.17	2.77	3.41	3.42	3.39	3.99	4.43	4.33	4.23	3.16	3.69	2.89	42.88
1939	3.00	3.31	3.30	6.01	1.58	3.66	2.17	4.04	4.47	4.74	1.43	2.62	40.33
1940	2.01	2.86	5.01	4.51	5.77	4.04	2.88	3.31	2.82	1.25	4.86	2.70	42.02
1941	2.12	2.07	1.94	0.82	2.49	3.95	5.06	5.25	1.72	3.06	2.08	3.99	34.55

HUBBARDSTON, MASS. Elevation, 1,030 feet.
Record August 1919 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.97	4.83	5.41	7.62	4.52	9.50	7.74	6.84	7.49	5.71	7.44	5.77	52.16
Year	1923	1920	1925	1921	1922	1922	1927	1927	1920	1926	1927	1927	1927
Min.	1.49	1.81	1.40	2.17	1.72	1.25	2.67	2.07	1.22	0.13	1.47	1.46	36.25
Year	1922	1921	1924	1922	1926	1924	1923	1920	1926	1924	1922	1928	1924
1929	4.56	2.72	3.34	5.71	4.64	3.16	1.07	1.83	2.20	2.15	2.91	2.85	37.14
1930	1.80	1.88	3.43	1.67	3.01	3.90	6.68	1.85	2.44	2.75	3.01	1.23	33.65
1931	2.33	2.09	7.16	2.36	5.10	4.50	3.90	6.90	2.48	3.45	1.74	3.42	45.43
1932	4.46	1.67	5.45	1.88	1.48	1.71	5.57	4.14	6.63	7.73	4.40	1.79	46.91
1933	2.25	3.62	5.03	4.56	2.04	2.12	3.56	4.60	10.96	4.91	1.62	2.65	47.92
1934	3.37	2.36	2.95	3.59	4.04	6.14	4.42	2.37	9.15	3.00	3.94	3.08	48.41
1935	4.15	2.54	1.85	2.54	3.16	6.87	3.62	1.09	4.58	1.33	4.68	1.02	37.43
1936	6.17	2.36	8.89	3.59	3.05	4.07	2.11	5.88	5.83	3.28	1.86	6.83	53.92
1937	5.05	2.03	2.56	4.45	4.29	5.57	1.90	6.43	4.49	3.76	6.18	2.33	49.04
1938	3.56	1.80	2.45	3.28	4.36	8.67	8.00	2.58	18.28	2.36	3.09	2.91	61.34
Av. 19 yrs.	3.23	2.56	3.77	3.89	3.29	4.54	4.38	3.77	5.30	3.39	3.86	3.11	45.09
1939	2.31	3.16	3.45	3.85	2.96	4.29	1.29	3.00	1.71	4.75	0.95	3.16	34.88
1940	1.98	2.69	3.89	5.63	5.57	2.15	4.99	1.88	1.96	1.06	7.11	2.86	41.77
1941	1.78	2.02	1.32	1.01	3.48	3.25	4.31	3.01	0.94	2.60	3.01	2.65	29.38

HUBBARDSTON, MASS. (Williamsville). Elevation, 830 feet.
Record November 1923 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	4.25	4.14	4.88	6.44	4.19	7.00	6.65	5.90	5.50	5.28	6.38	5.95	48.69
Year	1924	1926	1925	1924	1927	1928	1927	1927	1925	1926	1923	1927	1927
Min.	2.36	2.26	1.27	1.77	1.55	1.25	2.73	1.98	1.28	0.07	1.85	1.34	38.01
Year	1927	1924	1927	1927	1926	1924	1924	1925	1926	1924	1928	1928	1924
1929	4.31	3.13	3.50	5.83	4.92	2.91	1.30	1.85	2.45	2.06	2.95	2.65	37.87
1930	2.02	1.95	2.49	1.29	2.81	3.94	6.70	1.44	2.25	2.76	2.90	1.84	32.39
1931	2.59	2.10	4.32	2.73	5.31	3.97	3.51	7.01	2.54	3.52	1.59	3.81	43.00
1932	5.43	2.52	5.71	1.84	1.67	1.25	4.68	4.61	6.27	5.91	4.00	2.06	45.95
1933	2.54	4.18	5.02	6.39	2.18	1.96	2.80	4.02	11.38	5.33	1.38	3.36	50.54
1934	3.34	3.24	3.40	3.83	4.43	5.50	4.40	2.63	8.63	3.34	4.32	3.40	50.46
1935	5.31	2.71	2.74	3.45	3.02	6.06	2.92	1.07	4.63	1.41	3.47	0.87	37.66
1936	5.67	2.53	7.16	4.47	3.76	3.86	2.09	6.03	5.38	3.00	1.76	7.21	52.92
1937	5.57	2.24	3.09	4.94	4.60	5.45	2.70	5.79	5.47	4.73	6.05	2.78	53.41
1938	4.47	2.12	2.51	2.87	3.79	8.33	9.45	3.74	15.15	2.68	4.25	3.30	62.66
Av. 15 yrs.	3.75	2.82	3.63	3.70	3.33	4.10	4.24	3.92	5.46	3.39	3.60	3.14	45.08
1939	2.31	3.52	4.13	4.02	3.29	3.98	1.34	3.43	2.19	4.39	0.90	3.46	36.96
1940	2.39	3.62	4.19	6.94	5.86	2.47	4.45	2.13	2.36	1.10	6.65	2.10	44.26
1941	2.29	1.60	1.82	0.90	3.69	3.65	4.46	2.92	1.29	2.70	3.36	2.71	31.39

HUNTINGTON, MASS. (Knightville). Elevation, 500 feet.
Record October 1919 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.77	4.17	7.40	7.89	5.99	7.97	6.64	8.37	9.06	7.38	9.47	5.40	54.56
Year	1923	1927	1922	1924	1922	1928	1925	1928	1924	1927	1927	1927	1927
Min.	1.79	1.89	0.97	1.87	1.71	1.43	2.25	2.14	1.52	0.06	1.23	0.85	38.64
Year	1922	1923	1924	1927	1921	1924	1924	1925	1926	1924	1922	1928	1921
1929	4.18	3.53	3.32	8.15	4.58	2.90	1.18	1.78	2.36	4.12	3.08	4.03	43.21
1930	2.06	1.27	3.89	2.58	4.63	4.74	3.55	1.92	2.81	2.18	4.25	1.40	35.28
1931	3.32	1.98	4.58	2.88	8.77	4.64	4.73	4.38	2.16	2.84	1.65	2.84	44.77
1932	4.85	1.82	4.15	2.19	1.87	2.76	4.97	3.18	2.98	6.74	8.69	1.70	45.90
1933	2.36	2.70	5.36	4.95	1.41	3.02	2.17	8.92	9.89	3.46	1.23	3.21	48.68
1934	3.54	2.61	4.04	4.66	3.34	5.75	1.42	3.57	9.23	2.63	4.11	3.41	48.31
1935	4.25	2.46	1.81	2.49	2.86	5.25	3.43	0.69	4.84	0.88	4.53	1.23	34.72
1936	5.21	2.43	9.97	3.01	2.39	2.01	2.12	4.77	4.24	3.51	1.71	6.31	47.68
1937	5.45	3.59	3.38	4.26	6.88	6.55	5.97	5.16	5.02	6.11	6.31	3.01	61.69
1938	4.78	1.55	2.07	2.51	4.37	9.22	7.94	3.50	12.66	2.35	2.81	3.71	57.47
Av. 19 yrs.	3.46	2.71	3.82	3.90	3.65	4.51	3.99	4.19	4.78	3.34	4.23	3.10	45.68
1939	2.35	3.54	3.55	5.03	0.91	4.35	1.57	3.71	3.85	4.27	1.68	2.50	37.31
1940	2.41	3.44	5.30	5.48	6.39	2.83	2.37	2.18	2.26	1.55	6.14	2.48	42.88
1941	2.59	2.76	1.70	0.93	1.17	5.23	5.17	4.52	1.01	2.41	3.69	4.93	36.11

IPSWICH RIVER WATERSHED, MASS.
Record January 1911 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.86	6.40	7.14	6.46	5.77	10.53	10.57	6.30	7.99	7.25	6.75	6.04	46.15
Year	1923	1920	1925	1914	1922	1922	1915	1927	1918	1913	1921	1925	1920
Min.	1.28	1.73	0.08	1.36	0.35	0.35	1.48	2.00	0.27	0.08	0.97	1.47	33.56
Year	1916	1923	1915	1922	1911	1912	1920	1912	1914	1924	1922	1919	1914
1929	3.33	3.70	3.31	7.53	3.56	1.78	1.26	3.19	2.21	2.70	2.96	4.01	39.54
1930	2.56	2.15	3.45	1.75	3.40	2.64	4.11	2.73	0.91	4.64	4.53	2.36	35.23
1931	3.66	2.92	4.90	3.29	3.97	7.48	3.30	4.35	2.11	2.67	1.19	3.67	43.51
1932	4.92	2.00	4.91	1.78	1.13	1.76	2.44	5.56	6.04	7.20	5.12	1.62	44.48
1933	2.51	3.74	6.79	6.66	2.82	1.35	3.17	3.61	9.51	3.81	1.26	3.81	49.04
1934	3.20	3.66	5.18	3.07	2.40	4.32	1.48	1.47	6.76	3.42	2.73	2.41	40.10
1935	6.83	3.10	1.63	4.67	1.36	6.35	2.37	1.15	4.10	0.62	5.17	1.21	38.56
1936	7.31	3.32	6.94	3.65	2.01	2.91	2.32	4.07	4.26	1.93	1.19	3.47	48.38
1937	4.65	1.45	3.49	4.79	3.06	3.64	0.96	3.69	4.40	4.84	5.39	4.48	44.84
1938	4.05	2.42	2.22	3.03	3.79	6.43	10.75	2.72	8.23	2.35	2.70	3.17	51.86
Av. 28 yrs.	3.51	3.04	3.56	3.73	2.91	3.63	3.67	3.42	3.81	3.07	3.35	3.47	41.17
1939	1.88	3.30	4.15	4.56	2.60	3.33	0.61	2.78	2.02	4.67	0.95	3.13	33.98
1940	2.24	4.16	4.22	5.05	3.80	2.72	2.88	1.50	3.62	0.89	6.41	2.76	40.25
1941	2.98	1.77	2.06	1.81	2.50	2.05	3.65	2.79	0.38	2.16	2.31	4.15	28.61

IPSWICH, MASS. (Willowdale). Elevation, 30 feet.
Record May 1911 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.85	10.95	7.16	6.99	6.16	10.52	9.88	6.47	7.64	7.47	7.62	7.27	53.98
Year	1923	1920	1925	1914	1922	1922	1915	1927	1924	1913	1921	1925	1920
Min.	1.38	2.41	0.15	1.22	0.26	0.36	1.18	1.64	0.31	0.10	1.10	1.57	37.46
Year	1916	1917	1915	1927	1911	1912	1920	1923	1914	1924	1922	1924	1914
1929	3.63	4.39	3.64	7.48	3.36	1.71	1.10	1.84	2.71	3.06	2.90	4.71	40.53
1930	2.62	2.40	4.03	1.80	3.86	3.07	4.25	2.81	0.91	5.39	4.88	2.54	38.56
1931	3.85	3.13	4.66	3.49	4.43	7.51	2.85	4.46	2.23	2.98	1.14	3.42	44.15
1932	4.98	2.42	5.38	1.89	1.07	2.01	1.66	5.43	6.00	7.10	4.74	1.68	44.36
1933	2.66	3.80	7.51	7.66	2.92	1.51	3.39	2.78	10.00	3.98	1.33	4.44	51.98
1934	3.32	5.36	5.86	2.57	2.36	3.71	1.55	1.43	7.58	3.48	2.90	2.65	42.77
1935	7.90	3.69	1.81	4.63	1.52	7.17	2.59	0.91	4.32	0.59	5.57	1.46	42.16
1936	8.67	3.98	6.96	3.60	1.85	3.32	1.79	3.15	4.86	1.59	1.14	3.69	49.60
1937	4.85	1.37	3.83	5.19	2.75	4.30	1.18	3.56	6.21	5.28	5.68	4.52	48.72
1938	4.45	2.94	2.57	3.10	3.77	6.25	11.73	2.04	8.70	2.20	3.01	3.46	54.22
Av. 27 yrs.	4.06	3.69	3.92	3.97	3.09	3.74	3.52	3.27	4.04	3.15	3.51	3.76	43.72
1939	2.58	3.96	5.18	4.26	2.38	3.52	0.56	2.85	1.85	4.48	0.93	3.35	35.90
1940	2.51	5.31	4.66	5.38	3.81	3.56	2.56	2.10	3.11	0.89	6.85	2.87	43.61
1941	3.75	2.07	3.06	1.87	3.33	1.85	4.27	2.65	0.48	2.29	2.38	4.57	32.57

LAKE COCHITUATE, MASS. Elevation, 140 feet.
Record January 1852 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.85	8.59	10.95	11.34	8.25	11.16	14.12	12.36	9.92	10.11	8.54	8.58	64.34
Year	1870	1900	1859	1863	1865	1860	1863	1867	1860	1890	1863	1901	1869
Min.	1.24	0.22	0.01	0.78	0.65	0.38	0.99	0.28	0.27	0.09	0.85	0.45	31.20
Year	1860	1856	1915	1892	1911	1873	1859	1855	1914	1924	1908	1868	1883
1929	4.00	3.59	3.17	7.40	3.36	1.86	0.93	1.93	1.21	2.97	3.04	4.30	37.76
1930	2.70	2.48	3.57	1.94	2.67	2.38	3.32	2.02	0.78	4.55	4.30	2.98	33.69
1931	3.76	2.65	6.27	2.92	4.02	6.96	2.22	5.62	1.57	2.50	0.95	3.48	42.92
1932	4.85	2.62	5.44	1.77	1.53	3.46	2.04	5.73	9.24	7.81	5.24	1.90	51.63
1933	2.37	3.96	7.54	6.19	2.38	1.20	1.80	3.44	10.84	3.18	1.19	4.08	48.17
1934	3.73	4.27	4.66	3.39	3.51	4.55	2.35	2.15	7.59	3.45	2.56	2.89	45.10
1935	7.79	3.46	2.59	5.93	1.99	5.78	1.96	2.12	3.99	0.62	5.26	1.09	42.58
1936	7.91	4.27	8.94	3.39	2.00	2.46	1.74	4.85	5.07	2.03	1.56	3.64	52.86
1937	4.65	2.37	3.63	5.34	3.56	3.79	1.55	4.76	3.13	3.06	6.39	4.23	46.46
1938	5.22	2.55	2.71	3.20	4.58	6.85	13.91	5.25	8.58	2.15	2.77	3.46	61.23
Av. 87 yrs.	3.90	3.72	4.16	3.86	3.45	3.42	3.83	4.21	3.75	3.70	3.94	3.67	45.61
1939	2.45	4.51	5.63	4.93	1.64	3.83	1.58	4.71	1.59	5.96	1.24	3.67	41.84
1940	2.78	6.38	4.17	6.58	4.57	2.81	4.31	1.91	4.05	1.17	7.49	3.23	49.45
1941	4.02	2.40	2.75	1.47	2.28	4.32	2.90	2.93	0.60	1.88	3.04	3.77	32.36

LAKEVILLE, MASS. (Assawompsett Pond). Elevation, 60 feet.
Record January 1894 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	9.35	7.86	9.16	9.68	8.15	7.93	10.76	11.70	9.76	12.56	8.18	9.08	57.20
Year	1915	1920	1903	1904	1901	1920	1921	1922	1907	1913	1921	1901	1898
Min.	1.88	0.71	0.03	1.05	0.80	0.28	1.18	0.71	1.05	0.25	0.31	1.47	35.31
Year	1916	1895	1915	1896	1903	1912	1909	1916	1903	1924	1917	1899	1918
1929	4.03	4.01	4.74	7.74	3.15	0.38	4.57	3.85	5.48	2.94	3.48	6.31	50.68
1930	3.42	3.90	2.98	1.60	3.29	3.65	2.83	2.83	0.27	4.53	3.43	3.74	36.47
1931	3.55	2.73	6.97	2.91	4.78	6.41	3.81	7.38	1.75	3.50	0.95	3.34	48.08
1932	6.67	2.54	5.54	1.36	2.77	2.17	2.79	4.83	5.94	5.30	7.12	2.41	49.44
1933	2.93	4.07	6.72	8.52	1.63	2.21	2.03	2.55	13.36	3.41	2.21	3.44	53.08
1934	3.61	3.51	3.79	4.01	3.04	5.32	2.12	2.48	3.63	3.70	3.27	3.42	41.90
1935	6.15	3.27	1.97	5.67	1.78	4.27	4.41	1.77	3.89	1.67	7.15	1.46	43.46
1936	8.05	2.69	7.06	3.71	1.15	3.67	2.04	5.86	7.33	2.93	1.40	11.29	57.18
1937	5.15	1.48	3.87	5.30	2.58	3.92	0.46	4.21	3.62	4.08	5.39	4.80	44.86
1938	4.04	2.63	2.51	2.72	3.48	8.31	5.46	2.04	5.95	3.34	3.26	3.78	47.52
Av. 45 yrs.	4.14	3.56	4.26	4.03	3.28	3.42	3.48	3.69	3.81	3.63	3.71	4.07	45.08
1939	3.18	4.65	5.90	5.48	1.12	3.33	1.58	4.92	2.92	4.90	1.51	1.54	41.03
1940	2.99	6.19	4.26	7.88	4.54	2.09	5.05	0.90	4.46	1.89	7.72	2.39	50.36
1941	3.45	1.99	2.21	2.19	2.77	5.53	4.32	3.68	0.16	2.67	2.21	3.86	35.04

LAWRENCE, MASS. (Essex Co.). Elevation, 51 feet.
Record January 1856 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.39	8.17	8.21	9.85	9.22	11.14	12.72	18.12	13.42	8.68	7.45	8.68	[illegible]2.70
Year	1923	1900	1925	1857	1868	1922	1915	1856	1868	1890	1863	1901	1856
Min.	0.75	0.25	T	0.60	0.30	0.25	0.70	0.30	0.18	0.02	0.78	0.68	29.77
Year	1866	1901	1915	1892	1911	1912	1865	1876	1914	1924	1902	1868	1910
1929	3.32	4.50	4.30	5.66	3.04	2.23	0.96	1.55	1.61	2.46	2.57	3.63	35.83
1930	2.55	2.42	3.96	1.83	2.52	3.16	5.02	1.73	1.75	3.78	2.94	2.46	34.12
1931	3.24	2.60	5.04	2.85	2.52	6.01	2.96	4.81	1.74	2.38	1.02	3.68	38.85
1932	4.24	2.35	4.63	1.99	1.02	1.22	2.99	4.24	6.69	5.86	5.76	1.37	42.36
1933	2.67	4.55	6.51	6.45	2.35	1.64	2.79	2.82	9.99	3.68	1.25	3.55	48.25
1934	2.88	2.91	2.93	4.98	3.30	3.85	1.96	1.58	7.42	3.14	2.72	2.40	40.07
1935	7.22	3.18	1.69	4.33	1.21	6.77	2.98	0.82	4.92	0.86	4.85	1.13	39.96
1936	7.24	3.14	6.97	3.90	1.97	3.32	3.91	3.40	1.67	3.33	1.17	7.74	47.76
1937	4.72	2.35	3.83	4.82	2.86	3.80	0.38	2.38	2.40	3.90	6.17	4.43	42.04
1938	4.33	2.12	2.17	3.57	3.46	6.16	13.26	4.45	8.55	3.03	2.70	3.31	57.11
Av. 83 yrs.	3.71	3.31	3.88	3.51	3.31	3.30	3.80	3.88	3.45	3.33	3.49	3.49	42.46
1939	1.96	2.98	4.81	4.84	1.79	2.92	1.51	3.29	1.74	4.53	0.70	3.15	34.22
1940	2.47	3.79	4.07	4.83	4.26	2.64	2.50	2.06	2.71	0.81	6.19	3.40	39.73
1941	2.34	2.45	2.07	0.80	2.35	1.68	4.60	1.68	1.55	2.33	2.39	3.72	27.96

LAWRENCE, MASS. (Experiment Station). Elevation, 45 feet.
Record January 1904 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.41	7.23	7.76	8.86	5.89	11.34	11.84	9.44	8.40	6.89	7.87	5.43	49.92
Year	1923	1920	1925	1904	1919	1922	1915	1927	1924	1913	1921	1920	1920
Min.	1.57	1.21	0.00	1.38	0.19	0.22	1.08	0.80	0.26	0.08	1.05	1.52	33.02
Year	1916	1904	1915	1927	1911	1912	1913	1907	1914	1924	1922	1924	1914
1929	3.10	3.58	3.15	7.64	4.05	2.35	0.88	1.63	1.62	2.65	2.49	3.40	36.54
1930	2.50	2.04	3.46	1.73	2.73	2.77	5.60	1.97	1.99	4.43	3.73	2.06	35.01
1931	3.07	2.48	5.09	3.08	3.27	6.58	2.95	5.15	2.06	2.74	1.43	4.37	42.27
1932	4.82	2.10	4.30	2.42	0.61	1.45	3.21	4.69	6.74	5.86	6.16	1.14	43.50
1933	2.39	3.11	6.72	6.90	2.50	1.52	3.39	3.20	10.83	4.10	1.36	3.94	49.96
1934	2.73	2.71	3.80	4.52	3.46	4.49	2.05	1.40	7.84	3.76	3.39	2.50	42.65
1935	5.77	2.57	1.78	4.69	1.08	7.21	2.82	1.03	5.19	0.89	4.12	1.02	38.17
1936	6.17	2.66	6.08	3.08	1.81	3.15	4.03	3.09	3.61	1.98	1.18	7.35	44.19
1937	4.59	1.91	3.15	4.38	3.04	3.95	0.40	2.91	2.96	4.07	5.12	4.44	40.92
1938	4.23	1.64	2.09	3.31	3.50	6.29	12.48	4.05	8.55	2.52	2.46	3.01	54.13
Av. 35 yrs.	3.42	3.04	3.51	3.80	2.71	3.69	3.93	3.27	3.89	2.94	3.43	3.44	41.07
1939	1.64	3.14	3.85	4.85	1.67	2.98	1.14	3.57	1.90	4.26	0.81	3.09	32.90
1940	2.00	4.10	3.46	5.06	4.50	2.79	3.18	1.83	3.79	0.76	5.96	2.84	40.27
1941	2.90	1.96	1.84	1.14	2.37	2.83	4.50	2.64	0.58	2.33	2.22	4.15	29.46

LAWRENCE, MASS. (Arlington Mills). (Roof Gage)
Record January 1911 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.23	5.15	7.73	8.22	8.54	11.33	14.32	8.21	7.97	7.37	8.12	6.04	55.96
Year	1923	1920	1925	1914	1922	1922	1915	1927	1918	1917	1921	1920	1920
Min.	0.44	0.99	0.00	1.00	0.37	0.42	1.08	1.47	0.18	0.01	1.02	1.33	28.37
Year	1916	1923	1915	1915	1911	1912	1913	1923	1914	1924	1922	1924	1926
1929	2.56	3.39	2.78	5.66	2.98	2.05	0.81	1.11	1.58	1.70	2.13	2.84	29.59
1930	1.91	1.50	3.18	1.38	2.33	2.61	4.69	1.56	1.31	3.90	2.93	1.99	29.29
1931	3.03	3.16	5.32	2.85	2.44	5.94	2.16	4.62	1.72	2.66	0.97	3.36	38.23
1932	4.94	2.10	4.99	1.89	0.67	1.68	2.71	4.12	6.51	6.67	5.81	1.44	43.53
1933	2.31	3.64	6.54	6.85	2.19	1.60	3.18	2.48	10.32	4.00	1.27	3.75	48.13
1934	2.95	3.51	3.98	3.82	3.32	3.40	2.19	1.32	6.52	3.14	1.97	2.37	38.49
1935	7.15	3.32	1.69	4.57	1.17	6.50	2.89	0.76	4.81	0.76	5.16	0.99	39.77
1936	6.38	3.21	8.00	3.28	1.54	3.10	3.76	3.05	1.72	3.25	1.34	7.39	46.02
1937	4.35	1.89	3.63	4.65	3.07	3.82	0.45	2.93	2.90	3.81	6.08	4.60	42.18
1938	4.11	2.02	1.98	3.95	3.08	6.03	12.56	5.19	8.37	3.53	2.72	2.93	56.47
Av. 28 yrs.	3.10	2.79	3.78	3.83	3.03	3.63	4.01	3.48	3.70	3.15	3.52	3.18	41.20
1939	1.47	3.59	4.65	4.39	1.76	2.68	1.65	3.11	1.77	4.04	0.77	2.29	32.17
1940	2.31	3.68	3.90	4.89	4.37	3.05	2.49	2.04	2.39	0.68	5.80	3.03	38.63
1941	2.59	2.20	2.34	0.84	2.51	2.02	4.63	2.29	0.35	2.18	2.27	3.97	28.19

LEICESTER, MASS. (Kettle Brook). Elevation, 1,060 feet.
Record January 1905 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.56	7.06	6.61	7.04	7.07	8.30	10.02	7.16	10.49	7.70	8.22	6.63	58.91
Year	1923	1916	1922	1921	1906	1922	1915	1927	1907	1917	1921	1927	1920
Min.	1.74	1.23	0.10	1.47	0.99	0.68	1.35	1.43	0.03	0.09	0.66	1.82	38.54
Year	1916	1905	1915	1915	1905	1912	1917	1925	1914	1924	1917	1910	1910
1929	3.88	4.30	2.71	4.71	5.08	3.96	0.66	1.50	5.00	3.28	2.79	3.04	40.91
1930	1.83	2.15	3.55	1.83	3.03	3.84	4.63	1.47	1.68	3.81	3.21	2.49	33.52
1931	2.87	3.28	6.08	2.68	4.43	5.63	2.29	6.00	1.56	2.53	1.20	3.19	41.74
1932	5.00	2.11	4.87	1.94	1.35	2.17	2.63	5.61	7.64	8.32	5.98	1.65	49.27
1933	2.36	3.98	4.84	5.82	2.01	2.39	1.50	6.05	10.36	3.01	1.50	3.49	47.31
1934	3.93	2.40	3.58	4.13	4.75	6.37	3.43	2.80	10.14	3.02	2.84	3.98	51.37
1935	5.27	2.78	1.89	3.72	2.89	6.64	1.67	2.89	4.38	0.73	4.51	1.14	38.51
1936	7.06	2.77	12.19	3.59	4.20	2.21	3.80	5.51	5.69	3.79	1.35	7.85	60.01
1937	5.40	2.01	3.56	5.23	3.81	4.35	3.04	4.63	4.25	5.11	8.62	2.54	52.55
1938	4.86	2.31	2.92	3.20	3.92	7.25	10.98	3.39	12.17	2.69	3.07	3.38	60.14
Av. 34 yrs.	3.73	3.49	4.02	3.80	3.55	3.91	4.09	3.99	4.69	3.50	3.79	3.57	46.13
1939	2.26	2.30	3.32	3.19	1.20	3.33	0.17	5.16	2.71	4.82	1.26	2.36	32.08
1940	2.36	4.00	3.26	3.82	4.43	2.53	4.15	2.13	2.42	1.46	7.87	2.42	40.85
1941	2.60	2.23	2.02	1.08	1.87	3.73	3.59	3.42	0.68	2.27	2.43	3.02	28.94

LEICESTER, MASS. (Lynde Brook). Elevation, 800 feet.
Record January 1875 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.98	8.21	7.82	9.26	6.56	10.48	10.13	10.04	10.56	9.89	8.39	9.12	56.66
Year	1891	1900	1876	1901	1892	1903	1915	1898	1907	1890	1921	1901	1920
Min.	1.59	0.37	0.11	0.58	0.84	0.31	1.25	0.94	0.11	0.10	0.55	0.93	30.58
Year	1896	1877	1915	1892	1903	1912	1909	1882	1914	1924	1917	1892	1883
1929	4.06	3.89	2.97	6.97	5.11	1.54	0.72	1.31	4.82	3.21	2.99	3.41	41.00
1930	2.04	1.94	3.51	1.58	2.82	3.32	5.08	1.69	1.53	3.60	3.17	2.19	32.47
1931	3.55	2.89	5.54	3.06	4.29	7.15	2.01	6.37	1.28	1.70	1.12	3.22	42.18
1932	4.85	2.50	5.25	1.76	1.54	2.49	2.33	5.42	8.41	7.72	5.55	1.68	49.50
1933	2.39	4.03	5.48	5.86	2.33	2.35	1.54	5.07	9.77	3.00	1.44	3.74	47.00
1934	4.16	2.88	3.82	4.26	5.31	6.04	4.14	3.33	10.08	2.91	2.89	3.53	53.35
1935	4.91	3.19	1.83	3.37	2.85	5.65	2.27	3.59	4.61	0.45	4.43	1.21	38.36
1936	7.70	2.62	12.39	3.51	3.53	2.60	2.75	5.75	6.07	2.88	1.12	7.41	58.33
1937	4.52	1.98	3.22	5.70	4.40	4.13	3.78	4.71	3.47	4.55	8.61	2.58	51.65
1938	4.75	1.55	2.57	3.04	3.68	6.44	12.71	3.04	10.18	2.85	3.12	3.63	58.26
Av. 64 yrs.	3.63	3.35	4.15	3.50	3.36	3.39	4.09	4.06	3.83	3.53	3.68	3.49	44.06
1939	2.72	3.91	5.11	3.18	1.66	2.93	1.46	4.75	2.47	4.42	0.96	3.30	36.87
1940	2.82	2.88	4.05	6.16	5.79	2.33	3.97	1.82	2.39	1.29	6.86	2.44	42.80
1941	2.51	2.80	2.32	1.06	1.95	3.88	3.37	3.93	0.57	1.94	3.02	3.69	31.04

LEOMINSTER, MASS. Elevation, 500 feet.
Record January 1885 to September 1935.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.97	9.03	6.57	9.13	7.32	9.89	9.96	9.23	10.57	8.83	7.60	8.81	61.21
Year	1891	1900	1925	1901	1901	1903	1897	1885	1888	1890	1927	1901	1888
Min.	1.51	0.77	0.02	0.63	0.86	0.27	1.65	0.60	0.18	0.03	0.65	0.87	31.42
Year	1916	1901	1915	1892	1911	1912	1910	1894	1914	1924	1902	1892	1894
1929	4.42	4.29	3.43	5.45	5.44	3.80	1.06	2.21	1.61	3.10	2.64	3.02	40.47
1930	1.88	1.73	4.17	1.64	3.15	2.82	5.42	1.69	1.51	3.59	4.05	2.06	33.71
1931	3.37	2.65	5.40	2.99	4.96	6.17	2.66	6.29	2.39	2.28	1.31	3.90	44.37
1932	4.82	2.87	4.52	2.14	1.59	1.31	3.33	3.60	8.55	6.58	4.98	1.93	46.22
1933	2.66	3.95	6.65	6.90	2.65	2.03	2.57	5.61	9.79	4.19	1.45	3.80	52.25
Av. 49 yrs.	3.52	3.47	3.77	3.45	3.60	3.50	4.06	4.20	3.87	3.55	3.71	3.56	44.26
1934	———	———	———	———	———	———	2.20	1.92	8.73	2.58	2.51	3.80	———
1935	5.68	3.04	1.67	3.05	1.76	6.40	3.17	1.34	5.05	———	———	———	———

LINCOLN, MASS. (Water Works). Elevation, 250 feet.
Record January 1906 to December 1916—January 1918 to December 1919 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.32	5.12	6.11	5.50	5.60	5.79	11.28	5.19	7.82	6.70	6.02	4.32	41.76
Year	1915	1914	1913	1914	1919	1916	1915	1915	1907	1913	1919	1912	1915
Min.	1.40	1.03	1.22	1.85	0.10	0.20	1.20	0.38	0.00	0.44	0.34	1.28	26.70
Year	1918	1907	1910	1919	1911	1912	1910	1907	1908	1910	1908	1919	1908
Av. 13 yrs.	2.52	2.89	3.14	3.06	2.68	2.58	3.41	3.01	2.93	2.21	2.89	2.98	34.30

LINCOLN, MASS. (Bakers' Bridge). Elevation, 187 feet.
Record January 1906 to December 1925 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.96	6.84	6.15	5.19	5.79	9.00	10.35	5.76	8.99	5.00	5.58	5.48	46.94
Year	1923	1920	1925	1920	1908	1922	1915	1915	1907	1913	1920	1923	1920
Min.	0.70	1.12	T	1.44	1.09	0.10	1.50	1.15	0.16	0.12	0.89	1.24	27.78
Year	1922	1907	1915	1915	1910	1912	1917	1920	1914	1924	1908	1919	1910
Av. 20 yrs.	2.75	2.73	3.03	3.20	3.43	3.30	3.96	2.95	3.26	2.51	3.16	3.01	37.29

LITTLETON, MASS. Elevation, 325 feet.
Record January 1918 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.43	4.16	5.92	6.34	5.88	7.26	5.89	10.80	7.97	5.34	8.59	5.37	50.98
Year	1923	1920	1925	1921	1919	1922	1921	1927	1918	1923	1927	1920	1927
Min.	1.44	1.75	0.92	1.28	1.29	1.26	2.02	1.38	0.87	0.05	1.56	1.57	32.24
Year	1922	1923	1927	1922	1918	1919	1924	1921	1923	1924	1922	1924	1926
1929	3.49	3.49	2.82	6.28	3.81	2.51	1.23	1.54	1.63	2.27	2.82	2.79	34.68
1930	1.93	1.52	3.48	2.10	3.81	1.30	5.17	2.15	0.79	4.64	4.00	1.65	32.54
1931	3.14	1.94	4.52	3.21	3.64	6.57	2.54	4.85	2.00	2.46	1.26	3.75	39.88
1932	3.93	1.80	3.73	2.04	1.38	1.37	2.32	5.04	9.06	6.33	4.44	1.42	42.86
1933	2.03	3.06	5.70	5.20	2.51	2.24	2.58	3.71	11.58	4.18	0.95	3.07	46.81
1934	3.23	2.65	4.31	3.58	3.50	4.29	2.05	1.75	9.67	3.20	2.46	2.83	43.52
1935	5.87	2.93	1.55	4.11	1.77	6.27	2.71	1.57	4.79	0.60	4.66	1.09	37.92
1936	6.78	2.74	8.87	3.24	3.17	2.72	2.60	5.35	5.37	2.67	1.54	7.46	52.51
1937	4.52	2.13	3.60	5.26	4.17	4.27	0.97	5.65	3.32	3.75	6.40	4.07	48.11
1938	3.70	2.12	2.65	3.22	3.48	7.88	11.11	2.55	9.20	2.03	2.92	3.05	53.91
Av. 21 yrs.	3.28	2.56	3.49	3.80	3.66	3.79	3.62	3.55	4.79	3.00	3.93	3.16	42.03
1939	1.95	3.47	4.09	4.21	2.36	2.25	0.52	3.66	1.99	4.67	0.91	2.88	32.96
1940	2.50	3.57	3.94	5.41	5.73	1.94	4.48	1.42	2.90	0.75	7.18	2.79	42.61
1941	2.61	1.80	1.72	1.06	2.64	2.38	2.38	3.20	0.64	2.18	2.85	3.31	26.77

LOWELL, MASS. (Proprietors of Locks and Canals). Elevation, 100 feet.
Record January 1855 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.39	10.12	8.42	10.57	9.03	10.40	11.71	12.42	11.63	7.71	8.82	8.55	59.93
Year	1855	1900	1864	1901	1868	1922	1915	1856	1868	1890	1921	1901	1888
Min.	0.80	0.89	0.01	0.63	0.59	0.28	0.59	0.27	0.12	0.04	0.86	0.75	32.34
Year	1860	1877	1915	1892	1878	1912	1905	1876	1914	1924	1902	1877	1908
1929	3.42	4.35	3.61	6.18	4.20	2.24	0.83	1.59	1.38	2.47	2.41	3.52	36.20
1930	2.62	1.89	3.61	1.70	2.80	1.80	3.62	2.44	0.98	4.03	3.60	2.07	31.16
1931	3.55	2.42	4.85	3.30	2.73	6.69	3.08	4.62	1.50	2.64	1.17	4.03	40.58
1932	4.58	2.67	4.93	2.12	1.15	1.21	2.75	3.50	8.77	5.45	5.25	1.70	44.08
1933	2.65	4.05	7.08	6.22	2.25	1.34	2.28	4.32	10.14	2.98	1.17	4.18	49.66
1934	3.07	4.10	5.10	3.28	3.75	4.10	1.90	1.55	7.58	3.16	2.80	2.71	43.10
1935	7.33	3.36	1.66	3.90	1.27	6.24	2.36	1.23	5.13	0.63	5.17	1.33	39.61
1936	7.82	3.11	7.30	3.50	1.81	3.16	3.55	4.84	2.11	3.86	1.59	7.58	49.73
1937	4.79	2.35	4.12	4.91	3.38	4.06	0.91	2.48	2.82	3.87	5.76	4.04	43.49
1938	3.72	2.39	2.15	3.75	3.08	6.65	12.81	3.90	9.26	1.95	3.39	3.64	56.69
Av. 84 yrs.	3.89	3.69	4.09	3.78	3.35	3.44	3.69	4.06	3.59	3.38	3.69	3.70	44.35
1939	2.01	3.37	4.42	4.32	1.49	2.36	1.17	2.82	2.27	4.55	0.83	3.15	32.76
1940	2.49	5.19	3.69	5.21	4.52	2.49	2.94	2.18	2.59	1.07	7.19	3.36	42.92
1941	3.31	2.22	2.65	0.97	2.54	1.99	2.70	3.52	0.58	2.36	3.05	4.16	30.05

LOWELL, MASS. (Merrimack Manufacturing Co.). Elevation, 80 feet.
Record January 1826 to December 1925 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.81	9.91	8.03	10.23	7.64	10.40	10.21	12.31	10.96	7.87	7.97	8.63	59.49
Year	1855	1900	1864	1901	1868	1922	1915	1856	1868	1895	1845	1901	1888
Min.	0.34	0.00	0.00	0.29	0.30	0.38	1.03	0.18	0.12	0.01	0.60	0.33	27.85
Year	1837	1838	1915	1844	1878	1873	1842	1854	1914	1924	1902	1828	1914
Av. 100 yrs.	3.16	3.09	3.51	3.49	3.39	3.30	3.58	4.07	3.33	3.44	3.68	3.32	41.36

LUDLOW, MASS. (Ludlow Reservoir). Elevation, 410 feet.
Record June 1875 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.87	7.62	7.65	7.59	6.73	8.17	13.12	9.38	9.88	7.74	6.55	8.35	59.22
Year	1891	1900	1888	1910	1892	1922	1897	1927	1882	1877	1927	1901	1888
Min.	0.92	0.36	0.07	0.85	0.65	0.49	1.26	0.84	0.42	0.14	0.59	0.34	29.51
Year	1896	1877	1915	1892	1899	1912	1882	1894	1914	1924	1917	1876	1914
1929	3.67	2.39	3.02	5.53	4.32	1.91	0.62	1.96	3.89	2.45	2.74	3.53	36.03
1930	1.69	1.94	2.94	1.16	4.22	5.38	4.21	1.17	2.22	2.91	2.95	1.52	32.31
1931	2.44	1.43	3.13	2.26	6.31	4.09	2.93	4.15	2.88	2.89	1.20	4.08	37.79
1932	3.93	2.37	4.08	3.07	1.71	3.94	3.90	4.66	3.99	3.61	3.96	1.61	40.83
1933	2.56	3.43	4.48	4.63	2.83	2.64	1.36	5.77	8.64	3.60	1.19	3.68	44.81
1934	3.65	2.75	2.97	3.52	4.76	6.03	2.97	3.55	8.62	2.44	3.18	2.35	46.79
1935	4.56	2.23	1.73	2.58	2.93	4.80	2.68	0.71	4.67	0.91	3.29	1.02	32.11
1936	6.20	2.46	6.81	4.08	3.76	3.82	2.30	4.08	4.69	2.27	1.96	6.08	48.51
1937	4.98	2.34	3.00	3.72	5.22	6.00	2.14	6.68	3.80	4.10	5.37	2.59	49.94
1938	4.15	2.32	2.48	2.97	3.98	7.00	8.99	3.02	15.56	2.50	2.48	3.32	58.77
Av. 63 yrs.	3.28	2.93	3.59	3.15	3.34	3.59	4.23	3.92	3.78	3.24	3.15	3.21	41.41
1939	2.40	3.97	3.58	4.56	0.99	3.61	1.84	4.24	2.93	5.30	1.00	3.81	38.23
1940	2.06	2.37	4.94	5.77	5.25	2.20	5.13	1.55	2.68	1.34	6.43	2.50	42.22
1941	1.48	1.81	1.90	0.82	2.49	3.58	4.54	3.69	1.10	2.57	3.13	3.34	30.45

LYNN, MASS. (City Hall).* Elevation, 70 feet.
Record September 1877 to December 1882—January 1885 to December 1898—January 1900 to December 1928 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.48	6.69	8.42	8.36	6.71	9.77	9.07	9.54	10.29	10.45	9.08	6.74	57.46
Year	1878	1886	1881	1904	1901	1922	1915	1893	1918	1877	1877	1901	1878
Min.	1.22	0.63	0.01	0.68	0.32	0.44	0.76	0.61	0.44	0.06	0.85	0.99	26.19
Year	1916	1901	1915	1892	1903	1912	1905	1910	1923	1924	1922	1877	1910
Av. 48 yrs.	3.19	3.09	3.25	3.41	3.19	3.30	3.37	3.81	3.11	3.14	3.26	3.21	39.33

*Gage removed to roof of Yard Service Building in 1926.

LYNN, MASS. (City Yard Service Building). Elevation, 70 feet.
Record January 1929 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1929	3.74	3.33	3.36	8.46	3.31	1.85	1.80	4.23	1.09	2.69	3.14	4.60	41.60
1930	2.68	2.54	3.05	1.66	3.66	2.45	7.35	2.87	0.44	5.26	6.00	2.93	40.89
1931	3.73	3.83	4.55	3.48	4.70	7.72	2.20	4.22	1.46	2.54	1.32	3.34	43.09
1932	5.23	2.31	5.39	1.39	1.22	2.32	2.45	5.86	4.61	7.53	4.88	1.62	44.81
1933	2.56	4.11	7.71	7.54	2.45	1.28	2.59	3.27	9.30	3.82	0.88	3.76	49.27
1934	3.51	4.11	5.81	2.49	2.17	3.95	1.74	2.18	5.53	3.70	2.39	2.44	40.02
1935	6.09	2.53	1.59	5.35	1.71	6.18	1.51	1.57	2.74	0.52	4.96	1.36	36.11
1936	7.59	3.59	6.20	3.29	1.65	2.52	1.31	6.09	5.74	1.41	1.25	8.00	48.64
1937	4.18	1.01	3.16	4.97	2.67	3.56	0.96	5.85	4.25	4.14	4.31	4.95	44.01
1938	3.86	2.37	2.58	2.38	3.99	5.75	11.50	3.32	6.92	2.09	2.33	2.63	49.72
Av. 10 yrs.	4.32	2.97	4.34	4.10	2.75	3.76	3.34	3.95	4.21	3.37	3.15	3.56	43.82
1939	2.46	3.73	4.98	4.76	1.86	2.96	0.91	1.73	2.65	5.02	1.36	2.91	35.33
1940	2.00	5.43	3.67	4.76	3.75	2.36	3.59	1.00	3.01	1.04	6.31	2.65	39.57
1941	3.92	1.24	2.56	1.41	2.22	3.86	3.01	3.60	0.41	2.09	2.91	3.34	30.57

LYNN, MASS. (Sewage Pumping Station). Elevation, 18 feet.
Record January 1932 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1932	5.08	1.54	5.46	1.67	1.01	2.37	2.19	4.58	4.29	6.35	4.90	1.21	40.65
1933	2.24	3.28	4.92	7.91	2.15	1.07	2.06	2.91	8.38	3.43	0.82	2.53	41.70
1934	3.15	2.70	3.78	3.10	1.83	3.75	1.54	2.16	3.70	3.45	2.35	2.11	33.62
1935	6.35	2.94	1.68	5.59	1.66	5.35	1.15	1.34	2.61	0.28	4.80	1.08	34.83
1936	5.46	1.34	5.50	2.93	1.63	2.10	1.08	4.39	3.76	2.21	1.06	7.70	39.16
1937	3.94	0.97	3.30	5.33	2.59	3.18	0.79	5.91	4.33	4.26	4.73	5.00	44.33
1938	3.97	1.97	2.82	3.03	4.61	5.65	11.56	3.18	4.93	2.19	2.33	3.13	49.37
Av. 7 yrs.	4.31	2.11	3.92	4.22	2.21	3.35	2.91	3.50	4.57	3.17	3.00	3.25	40.52
1939	2.29	4.08	5.04	5.07	1.86	3.19	0.79	1.67	1.44	5.14	1.40	2.81	34.78
1940	2.03	3.70	3.94	5.17	4.08	2.56	3.94	0.89	3.11	0.69	6.02	2.15	38.28
1941	3.31	1.70	3.09	2.29	2.74	3.42	3.04	1.99	1.75	2.11	2.08	4.16	31.68

LYNN, MASS. (Water Works Pumping Station). Elevation, 40 feet.
Record July 1872 to December 1939 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.61	7.47	8.28	8.86	7.11	10.29	9.04	9.58	10.25	10.12	8.13	8.16	60.61
Year	1923	1886	1877	1901	1901	1922	1915	1872	1918	1895	1888	1901	1888
Min.	1.07	0.84	0.04	0.65	0.37	0.28	1.12	0.55	0.47	0.11	0.90	0.75	25.01
Year	1916	1877	1915	1892	1903	1912	1905	1876	1923	1924	1908	1877	1910
1929	3.31	3.62	3.00	7.95	3.03	1.58	1.78	4.55	1.25	2.05	3.03	4.29	39.44
1930	2.47	2.34	2.97	1.67	3.31	2.26	9.02	3.37	0.49	4.68	4.73	2.75	40.06
1931	3.38	3.53	4.14	3.21	5.05	7.32	2.07	3.93	1.29	2.42	1.99	3.43	41.76
1932	5.27	1.84	4.82	1.64	1.29	2.09	2.80	6.45	5.09	7.65	5.23	1.73	45.90
1933	2.52	3.91	6.88	7.93	1.83	1.79	2.32	3.02	8.85	3.68	0.97	3.32	47.02
1934	3.72	4.05	6.29	2.64	2.33	4.45	1.51	2.00	6.19	3.94	2.47	2.48	42.07
1935	6.86	3.68	1.85	5.23	1.76	6.10	1.66	1.17	3.34	0.42	5.04	1.22	38.33
1936	8.11	3.58	6.84	3.09	2.05	2.52	1.39	5.76	5.58	1.45	1.39	8.07	49.83
1937	4.47	1.09	3.28	5.01	3.12	4.19	0.86	4.75	3.81	3.86	4.29	5.29	44.02
1938	3.73	2.79	2.55	2.80	4.43	5.69	12.19	3.53	6.93	2.00	2.58	2.79	52.01
Av. 66 yrs.	3.69	3.38	3.81	3.55	3.15	3.28	3.45	3.77	3.37	3.37	3.45	3.37	41.64
1939	2.78	3.73	5.22	4.76	2.32	2.87	0.84	1.69	2.39	4.85	1.32	2.87	35.64
1940	1.79	4.92	3.52	4.57	3.98	2.47	3.78	1.21	3.11	1.04	6.23	2.55	39.17
1941	3.70	1.46	2.47	2.18	2.39	2.48	2.92	3.32	0.47	1.86	2.65	3.60	29.50

LYNNFIELD, MASS. (Diary of Gen. Newhall). Elevation, 100 feet.
Record January 1842 to December 1878 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.00	7.12	7.75	9.00	9.25	6.63	10.25	13.25	8.37	8.00	10.50	7.00	59.50
Year	1855	1865	1876	1852	1868	1875	1863	1856	1868	1877	1845	1859	1863
Min.	0.62	1.06	1.13	0.12	0.25	0.25	0.62	0.12	0.13	0.87	1.75	0.75	28.31
Year	1849	1856	1856	1844	1878	1853	1868	1854	1846	1874	1867	1877	1846
Av. 37 yrs.	3.92	3.74	4.14	3.79	3.44	3.11	3.37	4.79	3.35	3.82	4.56	3.92	45.95

MANCHESTER, MASS. (Water Works Pumping Station). Elevation, 20 feet.
Record January 1913 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.53	6.98	6.38	6.33	5.74	10.67	9.81	7.46	9.03	6.24	7.69	6.55	51.46
Year	1923	1920	1925	1916	1922	1922	1915	1924	1918	1913	1921	1925	1922
Min.	1.34	2.11	0.10	1.71	0.68	0.90	1.19	1.30	0.16	0.03	0.96	1.61	32.26
Year	1916	1917	1915	1927	1918	1913	1920	1920	1923	1924	1922	1924	1923
1929	3.72	3.00	3.65	10.72	3.91	1.52	1.88	1.95	1.40	2.93	2.61	4.08	41.37
1930	2.45	2.48	3.08	1.83	4.05	1.57	4.05	3.25	0.58	4.91	5.66	2.88	36.79
1931	4.45	3.68	5.16	3.50	4.65	7.55	2.26	5.34	1.77	2.70	1.15	3.97	46.18
1932	6.49	2.24	4.95	1.50	1.32	2.04	4.05	5.12	5.62	6.92	4.31	1.89	46.45
1933	2.72	3.70	6.67	8.81	3.93	1.19	2.12	2.59	9.50	5.05	1.07	3.78	51.13
1934	2.49	3.89	4.28	2.49	1.89	4.35	1.40	1.45	5.89	3.25	3.08	2.18	36.64
1935	7.48	3.35	1.16	5.10	1.46	6.66	1.92	4.40	3.11	0.51	5.23	1.43	41.81
1936	6.79	2.67	6.24	3.57	1.49	3.77	3.11	3.67	5.05	2.04	1.38	8.92	48.70
1937	4.30	1.14	3.67	5.74	2.51	3.19	1.02	4.83	5.40	4.59	4.82	3.70	44.91
1938	2.99	3.14	3.34	3.14	4.09	6.62	10.24	2.06	7.62	2.09	2.58	3.06	50.97
Av. 26 yrs.	3.69	3.17	3.53	4.11	3.14	3.70	3.54	3.50	3.95	3.20	3.37	3.50	42.40
1939	2.40	4.16	5.09	4.32	2.99	2.22	1.12	2.00	1.05	4.57	1.47	3.25	34.64
1940	2.12	5.29	4.21	5.64	3.48	2.13	3.79	0.87	3.75	3.91	6.50	2.70	44.39
1941	4.42	1.81	2.89	2.21	3.04	2.40	2.14	2.91	0.41	2.24	2.53	3.42	30.42

MANSFIELD, MASS. Elevation, 150 feet.
Record January 1888 to December 1898 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.20	7.76	8.45	6.96	6.54	3.72	10.60	8.25	10.85	8.92	10.18	5.93	67.35
Year	1891	1893	1890	1898	1890	1889	1889	1898	1896	1895	1888	1893	1898
Min.	2.92	1.30	1.64	1.27	1.03	0.51	1.81	2.00	2.35	0.66	0.95	1.44	40.15
Year	1896	1895	1894	1896	1891	1894	1893	1896	1892	1897	1890	1892	1892
Av. 11 yrs.	4.86	4.36	4.33	3.88	4.59	2.85	4.26	4.43	4.92	5.46	5.51	4.10	53.55

MANSFIELD, MASS. (Water Works Pumping Station). Elevation, 240 feet.
Record September 1921 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.91	5.34	4.78	5.74	4.91	8.80	5.33	10.12	7.25	5.42	7.01	5.68	48.12
Year	1923	1926	1925	1924	1922	1922	1925	1927	1924	1926	1921	1927	1927
Min.	1.83	1.69	1.72	1.87	1.34	1.61	1.42	1.39	0.83	0.15	1.42	1.95	40.88
Year	1922	1923	1927	1927	1923	1926	1924	1925	1923	1924	1922	1924	1924
1929	4.42	3.63	4.36	7.50	3.93	1.01	3.06	2.07	2.58	2.93	3.42	4.75	43.66
1930	3.23	2.87	3.21	1.74	3.32	2.01	3.46	2.18	0.31	5.01	4.37	2.91	34.62
1931	3.46	2.72	7.02	3.36	4.44	7.84	3.87	5.23	1.16	2.74	0.85	3.16	45.85
1932	5.20	2.40	6.28	1.76	2.31	2.70	2.31	5.33	5.65	5.91	5.36	1.71	46.93
1933	2.51	4.13	6.48	6.13	2.61	2.13	2.05	3.69	9.15	3.67	1.24	4.26	48.05
1934	4.14	4.32	4.28	3.23	2.96	3.99	1.17	2.23	4.93	3.42	3.53	3.36	41.56
1935	7.42	2.57	1.52	5.22	2.16	5.25	2.51	2.92	2.84	0.86	5.36	1.01	39.64
1936	7.53	3.78	7.64	3.97	1.85	2.50	1.01	4.38	6.42	1.83	1.59	9.51	52.01
1937	4.82	1.97	3.86	5.36	3.05	4.39	2.16	6.06	3.54	4.15	5.56	3.72	48.64
1938	4.47	2.75	2.80	2.05	4.34	8.70	9.18	2.68	6.96	2.37	3.61	3.25	53.16
Av. 17 yrs.	4.24	3.14	4.16	3.86	3.03	3.95	3.34	4.12	4.14	3.46	3.38	3.79	44.61
1939	2.57	4.85	4.96	4.49	1.04	2.90	1.68	4.14	1.99	5.12	1.24	3.01	37.99
1940	2.60	5.41	4.13	5.98	4.14	2.17	3.63	1.49	3.07	1.21	7.50	2.57	43.90
1941	3.20	2.45	2.30	1.94	2.28	4.10	5.20	2.80	0.30	1.64	2.64	3.04	31.89

MARLBOROUGH, MASS. (Water Works Pumping Station). Elevation, 450 feet.
Record January 1900 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.97	11.73	6.60	8.16	7.40	10.85	8.79	9.70	8.80	5.94	10.33	8.31	51.38
Year	1923	1900	1903	1904	1901	1903	1915	1927	1918	1923	1927	1901	1901
Min.	1.11	1.21	0.03	1.30	0.64	0.33	0.96	1.21	0.19	0.11	0.86	1.54	31.34
Year	1916	1901	1915	1915	1911	1912	1917	1907	1914	1924	1917	1924	1924
1929	3.16	3.32	2.91	6.33	4.18	2.65	1.12	2.10	1.15	2.48	2.93	3.40	35.73
1930	2.11	1.94	3.99	1.68	3.24	0.75	3.80	1.65	1.26	4.09	3.12	2.40	30.03
1931	3.05	2.46	4.92	2.56	3.40	7.24	1.88	5.43	1.68	2.37	0.59	3.90	39.48
1932	4.23	2.12	4.62	2.00	1.45	2.70	2.32	4.19	10.78	7.19	4.73	1.43	47.76
1933	2.22	3.20	6.04	5.57	1.53	1.55	1.56	3.49	10.70	3.27	0.83	3.29	43.25
1934	3.41	3.26	2.54	5.13	4.06	4.15	2.35	2.98	8.63	2.65	1.75	3.19	44.10
1935	5.65	2.71	1.74	3.91	1.66	6.91	1.51	2.64	3.62	0.38	4.96	0.94	36.63
1936	7.05	3.01	9.42	2.69	2.72	2.48	1.18	4.54	3.55	3.70	1.06	7.77	49.17
1937	4.28	2.13	3.35	4.36	3.42	4.52	1.33	3.61	3.14	3.87	5.98	3.18	43.17
1938	3.57	1.92	1.02	2.62	3.74	8.15	10.75	4.96	16.05	0.79	3.06	3.10	59.73
Av. 39 yrs.	3.23	3.12	3.49	3.57	3.17	3.68	3.47	3.51	4.10	2.96	3.38	3.42	41.10
1939	1.99	2.90	3.44	4.31	1.59	2.89	2.21	3.68	1.71	2.85	0.99	1.64	30.20
1940	1.95	2.20	2.45	5.30	1.76	2.72	4.66	2.07	3.20	1.42	5.48	1.96	35.17
1941	2.23	1.84	1.78	1.21	1.69	4.04	2.54	3.15	0.60	2.03	2.69	3.04	26.84

MARTHAS VINEYARD—See Tisbury and Vineyard Haven.

MEDFORD, MASS. (Medford Water Works). Elevation, 17 feet.
Record January 1884 to March 1894 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.82	7.31	6.13	4.49	6.42	4.20	8.46	6.72	7.79	8.92	6.30	4.94	54.31
Year	1886	1886	1890	1884	1893	1891	1889	1888	1888	1890	1888	1888	1888
Min.	2.00	1.71	0.95	0.84	1.57	2.02	1.55	2.67	0.75	1.94	1.36	1.34	37.74
Year	1893	1889	1885	1892	1887	1887	1893	1886	1884	1892	1890	1892	1892
Av. 10 yrs.	4.79	4.27	3.50	2.94	4.00	3.11	3.23	4.64	2.99	4.21	3.85	3.52	45.05

MERRIMACK RIVER WATERSHED (Essex Company Records).
Record January 1880 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.44	8.10	6.53	7.38	6.50	9.36	9.62	7.26	8.48	7.66	7.27	7.54	54.65
Year	1923	1900	1896	1904	1901	1922	1915	1885	1908	1890	1927	1901	1888
Min.	1.52	0.83	0.08	0.73	0.82	0.66	1.64	0.97	0.39	0.30	1.01	0.98	32.37
Year	1916	1901	1915	1892	1903	1912	1917	1882	1914	1924	1882	1892	1894
1929	3.70	3.88	3.29	5.69	4.21	3.07	1.27	2.31	2.15	2.67	2.73	3.33	38.30
1930	2.32	1.83	4.05	1.80	3.14	2.94	4.43	2.49	1.34	3.52	3.56	1.95	33.37
1931	2.93	2.24	4.46	2.90	4.07	6.06	3.14	4.97	2.55	2.75	1.24	3.72	41.03
1932	4.87	2.52	4.22	2.42	1.50	2.21	3.40	4.19	7.45	5.67	4.98	1.67	45.10
1933	2.46	3.71	5.89	6.57	2.38	1.92	2.50	4.71	7.85	4.04	1.57	3.55	47.15
1934	3.37	3.30	3.51	4.48	3.32	4.32	3.04	1.96	8.03	2.71	3.00	3.52	44.56
1935	6.50	3.02	1.75	3.55	2.14	6.16	2.87	2.12	4.82	0.83	4.84	1.19	39.79
1936	7.10	2.91	9.65	3.70	2.51	2.65	2.64	4.39	2.83	4.35	1.82	7.39	51.94
1937	4.44	2.70	3.56	4.57	4.71	4.56	2.15	3.69	3.16	4.22	6.59	3.73	48.08
1938	4.35	2.35	2.40	2.95	3.55	5.97	9.35	3.75	10.27	2.33	3.11	3.81	54.19
Av. 59 yrs.	3.60	3.37	3.66	3.29	3.28	3.46	3.77	3.68	3.79	3.29	3.46	3.45	42.10
1939	2.67	3.44	4.28	4.60	1.77	3.14	1.99	3.88	2.32	4.45	0.86	3.12	36.52
1940	2.43	3.94	3.97	5.38	4.99	2.72	4.11	1.77	3.50	0.95	6.54	3.18	43.48
1941	2.80	2.28	2.20	0.81	2.70	3.09	4.16	2.69	1.18	2.49	2.93	3.24	30.57

MIDDLEBOROUGH, MASS. Elevation, 53 feet.
Record July 1886 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.57	8.81	8.69	7.98	7.57	7.26	9.24	10.99	9.44	11.77	10.23	8.70	58.83
Year	1915	1899	1890	1904	1901	1905	1921	1927	1888	1913	1888	1901	1888
Min.	1.57	1.20	0.06	0.98	0.49	0.38	1.09	1.41	0.68	0.13	0.30	1.32	35.01
Year	1916	1901	1915	1896	1903	1912	1907	1916	1903	1924	1917	1892	1910
1929	3.77	4.23	4.93	6.97	2.79	0.53	2.72	4.05	4.96	2.53	3.16	4.87	45.51
1930	3.33	3.43	2.52	1.45	2.07	3.79	2.93	2.37	0.32	4.22	4.17	2.81	33.41
1931	3.30	2.63	6.78	2.77	4.96	6.09	4.25	5.26	1.77	3.28	0.77	3.10	44.96
1932	6.16	2.14	4.99	1.29	2.05	2.36	2.02	4.99	6.50	5.60	7.68	2.11	47.89
1933	2.43	3.84	6.11	8.59	2.09	1.73	2.68	2.39	12.78	3.61	1.85	3.87	51.97
1934	3.61	3.67	4.18	3.99	2.74	4.27	1.79	1.81	3.44	3.38	2.97	3.37	39.22
1935	5.88	3.08	1.96	5.22	1.79	3.87	4.75	1.60	3.74	1.59	6.72	1.50	41.70
1936	7.59	2.36	6.91	3.33	1.19	3.96	1.57	5.16	7.78	2.51	1.18	10.41	53.95
1937	4.36	1.22	3.46	5.17	2.46	3.34	0.91	3.99	3.50	4.67	5.68	4.69	43.45
1938	4.14	2.95	2.41	2.69	3.63	8.44	6.52	1.70	5.80	2.93	3.65	4.08	48.94
Av. 52 yrs.	4.11	3.69	4.13	3.77	3.07	3.12	3.34	3.56	3.66	3.71	3.59	3.77	43.52
1939	3.13	4.24	6.48	5.42	1.66	3.02	1.30	4.88	2.83	5.40	1.45	2.42	42.23
1940	2.79	5.71	4.03	7.58	4.78	1.57	3.98	0.88	4.33	1.72	7.64	2.71	47.72
1941	3.85	2.38	2.64	2.15	3.18	5.70	4.03	3.27	0.14	2.63	2.24	3.27	35.48

MIDDLEFIELD, MASS. Elevation, 1,650 feet.
Record July 1920 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	4.90	4.82	6.43	5.37	5.33	7.46	7.85	8.18	8.56	6.88	10.29	5.43	57.44
Year	1923	1921	1922	1924	1922	1922	1927	1928	1924	1927	1927	1927	1927
Min.	2.09	2.16	0.98	1.59	1.49	1.52	2.30	2.02	1.48	0.09	1.33	1.23	40.14
Year	1921	1924	1923	1927	1926	1924	1924	1925	1922	1924	1922	1928	1924
1929	3.06	2.95	3.11	6.70	4.29	2.75	0.94	3.20	2.19	4.73	2.60	2.83	39.35
1930	1.98	1.55	3.76	1.87	4.39	5.32	4.56	1.98	2.56	1.44	4.06	1.28	34.75
1931	2.16	1.41	3.04	2.13	6.86	4.43	4.28	3.13	3.63	2.76	1.19	3.54	38.56
1932	4.26	1.78	3.26	2.23	1.52	2.06	5.11	4.07	1.62	5.56	6.49	1.79	39.75
1933	2.47	3.72	4.47	5.31	2.66	3.77	2.79	8.69	11.70	3.59	1.26	2.43	52.86
1934	3.45	1.73	3.35	3.99	4.05	7.06	2.32	3.21	8.98	2.41	4.27	2.99	47.81
1935	4.02	2.06	1.81	1.49	3.22	5.47	5.71	0.95	4.15	1.35	5.23	1.46	36.92
1936	5.11	1.67	9.92	4.42	3.12	2.84	2.14	5.55	6.04	3.18	2.03	4.95	50.97
1937	4.10	3.27	3.18	3.66	6.82	6.87	2.39	7.56	6.48	6.95	5.47	2.90	59.65
1938	4.65	2.00	2.07	2.72	3.88	9.95	8.96	4.58	13.60	2.64	3.11	3.20	61.36
Av. 18 yrs.	3.41	2.64	3.50	3.43	3.80	4.66	4.29	4.25	5.06	3.52	4.07	2.87	45.50
1939	1.75	3.13	3.85	3.83	1.77	4.63	2.13	3.62	4.36	4.70	1.16	2.75	37.68
1940	2.27	3.22	4.83	4.72	7.76	3.57	2.40	2.82	2.66	1.45	4.39	2.99	43.08
1941	2.24	2.51	2.16	0.42	3.52	5.99	5.62	6.28	1.55	4.11	3.71	3.19	41.30

MIDDLETON, MASS. (Danvers Pumping Station). Elevation, 97 feet.
Record November 1925 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	2.67	4.53	2.87	4.95	2.58	6.75	3.87	6.79	5.39	4.13	4.14	6.28	41.20
Year	1927	1926	1926	1928	1928	1928	1928	1927	1928	1927	1927	1925	1928
Min.	2.09	3.19	1.22	1.39	2.01	1.81	1.87	2.82	1.30	2.95	2.18	3.23	32.78
Year	1928	1927	1927	1927	1926	1926	1926	1926	1926	1928	1928	1926	1926
1929	3.21	4.00	3.28	7.79	3.37	1.31	0.75	2.99	2.54	2.79	2.82	3.84	38.69
1930	2.43	2.09	3.44	1.85	3.15	2.77	2.90	2.07	0.58	4.31	4.35	2.51	32.45
1931	3.49	2.74	5.07	3.20	3.64	7.02	3.38	4.13	1.97	2.45	1.08	3.72	41.89
1932	4.69	2.17	4.95	1.62	1.26	1.89	1.94	5.80	5.69	7.60	5.02	1.65	44.28
1933	2.50	3.73	7.42	6.79	2.71	1.19	3.28	4.17	9.88	3.57	0.98	3.74	49.96
1934	3.32	3.37	5.54	2.71	2.26	4.46	1.26	1.54	7.48	3.33	2.10	2.54	39.91
1935	7.25	3.23	1.65	5.21	1.26	5.87	1.90	1.28	3.70	0.52	5.03	1.10	38.00
1936	7.83	3.36	7.01	3.26	1.79	2.14	2.41	4.25	4.49	1.82	1.16	8.66	48.18
1937	4.62	1.49	3.64	4.81	3.03	3.87	0.81	3.50	4.15	5.04	5.50	5.28	45.74
1938	3.95	2.46	2.10	3.13	3.53	6.00	10.16	2.76	9.12	2.51	2.99	3.08	51.79
Av. 13 yrs.	3.88	3.06	3.81	3.75	2.54	3.63	2.87	3.46	4.56	3.47	3.17	3.62	41.82
1939	1.89	2.84	3.82	4.62	3.12	2.57	0.36	2.15	1.62	4.59	0.90	3.38	31.86
1940	2.59	4.23	4.02	4.70	3.93	2.03	2.71	1.26	3.61	0.84	6.01	2.48	38.41
1941	2.88	1.74	1.78	1.91	2.42	1.96	3.43	2.62	0.34	2.01	2.06	3.93	27.08

MILFORD, MASS. (Water Works Pumping Station). Elevation, 275 feet.
Record January 1915 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.94	4.92	5.55	5.79	5.09	7.21	9.16	10.51	8.78	6.32	8.08	5.51	49.09
Year	1923	1920	1922	1923	1917	1922	1921	1927	1918	1917	1927	1915	1927
Min.	1.42	1.49	0.00	0.98	0.96	0.93	1.07	0.84	0.91	0.17	1.15	1.68	36.54
Year	1916	1923	1915	1922	1923	1915	1917	1925	1915	1924	1917	1924	1926
1929	3.63	3.44	3.14	6.63	3.06	3.74	1.03	1.49	2.18	2.84	2.84	3.61	37.63
1930	2.66	2.34	3.67	2.40	2.35	1.62	2.98	1.89	0.58	4.10	3.93	2.12	30.64
1931	3.27	2.48	4.23	2.93	4.23	8.77	2.40	4.24	1.24	2.29	0.77	2.42	39.27
1932	4.79	1.83	5.23	1.84	1.16	2.43	1.64	5.94	10.09	5.56	4.94	1.47	46.92
1933	1.11	3.30	5.54	5.31	2.10	1.99	2.54	2.95	9.22	3.10	1.09	3.76	42.01
1934	3.86	2.25	3.60	4.48	3.52	4.55	1.88	2.31	8.16	3.55	2.21	3.19	43.56
1935	6.68	2.94	1.11	5.48	2.66	6.00	2.69	2.04	5.82	0.62	5.01	0.91	41.96
1936	7.36	3.56	7.02	3.13	1.67	2.76	2.52	6.89	6.46	1.74	1.69	7.00	51.85
1937	4.69	2.34	3.42	4.29	3.04	3.65	1.73	6.76	2.90	3.66	6.32	3.46	46.26
1938	3.98	2.08	2.71	2.52	4.70	8.78	14.52	2.59	9.20	2.00	2.90	3.44	59.42
Av. 24 yrs.	3.51	2.91	3.47	3.58	2.78	3.81	3.91	3.95	4.26	2.93	3.47	3.25	41.83
1939	2.49	3.82	4.48	4.45	1.72	3.80	1.32	6.10	1.87	4.94	1.16	2.95	39.10
1940	2.50	4.14	3.47	4.89	4.83	3.93	4.06	1.45	2.24	1.57	6.44	2.31	41.83
1941	2.46	2.38	1.98	1.27	2.68	5.40	4.72	2.91	0.42	1.90	2.87	3.34	32.33

MILLBURY, MASS. Elevation, 330 feet.
Record October 1922 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1922	———	———	———	———	———	———	———	———	———	2.63	1.47	3.13	———
1923	5.79	1.61	2.40	5.63	1.27	4.95	3.09	2.04	2.32	5.26	4.33	5.26	43.95
1924	3.51	2.04	2.99	1.86	4.40	1.65	3.55	6.28	3.50	0.87	2.48	1.28	34.41
1925	3.99	3.00	4.53	2.13	1.76	4.31	2.64	2.71	2.14	4.16	2.64	4.37	38.38
1926	2.27	5.07	2.36	2.78	1.88	1.44	2.38	3.05	1.47	3.33	5.37	3.83	35.23
1927	2.96	2.71	1.14	2.07	2.85	2.56	3.42	7.22	2.53	5.69	8.95	5.65	47.75
1928	2.11	3.27	1.50	4.15	2.89	6.17	3.85	6.55	2.84	1.92	1.18	2.89	39.32
1929	3.55	3.51	1.76	6.41	3.57	2.10	0.27	0.66	2.85	3.78	3.13	3.88	35.47
1930	2.07	1.72	3.19	1.71	2.80	1.69	3.33	2.85	0.99	2.99	3.71	3.46	30.51
1931	3.62	2.77	5.94	3.08	4.04	6.99	1.55	4.49	1.22	2.06	1.00	2.95	39.71
1932	4.68	2.35	4.80	2.23	1.50	4.39	2.31	5.09	7.96	6.45	5.44	1.90	49.10
1933	2.16	4.06	5.58	6.75	1.84	3.06	2.88	4.23	10.97	3.85	1.29	3.66	50.33
1934	3.88	3.70	2.85	5.34	4.57	5.02	3.69	1.97	8.38	2.81	1.93	3.71	47.85
1935	5.60	3.25	1.82	4.69	1.95	6.56	2.34	4.44	3.37	0.32	5.12	1.03	40.99
1936	7.66	3.56	11.15	3.11	1.62	1.86	2.33	4.94	3.80	3.99	1.92	8.33	54.27
1937	4.69	2.35	3.61	4.83	3.50	4.07	3.02	3.75	4.10	3.97	7.93	3.00	48.82
1938	4.36	2.43	2.36	2.57	4.29	6.45	10.80	3.54	10.50	2.32	3.10	3.25	55.97
Av. 16 yrs.	3.93	2.96	3.62	3.71	2.80	3.95	3.22	3.99	4.34	3.36	3.72	3.65	43.25
1939	2.87	3.54	5.26	4.07	1.28	3.60	2.16	5.00	1.91	5.05	0.80	3.46	39.00
1940	2.51	4.23	3.76	5.70	2.96	4.77	4.38	1.42	3.68	1.37	6.84	2.78	44.40
1941	3.35	2.12	2.70	1.01	1.98	4.96	4.70	2.12	1.81	1.75	3.15	3.10	32.75

MILLERS RIVER WATERSHED
Record January 1916 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1916	1.43	4.53	2.94	2.98	3.40	5.06	5.99	3.38	6.21	1.40	2.98	2.69	42.99
1917	2.93	2.04	3.67	1.75	3.90	5.00	2.43	5.94	0.74	5.73	1.70	3.03	38.86
1918	2.11	3.16	1.45	3.24	1.93	4.93	2.31	3.02	7.16	1.24	2.72	3.25	36.52
1919	2.86	2.26	4.67	2.44	6.54	1.11	5.10	3.29	5.61	2.94	6.25	1.38	44.45
1920	2.46	4.84	3.49	6.03	3.32	5.10	3.14	4.97	6.40	1.06	4.48	6.90	52.19
1921	2.15	2.71	3.85	7.07	2.76	3.45	6.17	3.03	2.48	2.07	6.70	2.67	45.11
1922	2.08	2.99	5.81	2.05	4.68	12.52	5.40	4.57	3.23	3.08	1.73	3.78	51.92
1923	5.76	2.03	2.50	4.91	1.68	1.94	3.60	2.38	1.61	5.03	5.71	3.98	41.13
1924	4.09	2.03	1.36	5.76	3.25	1.98	2.47	3.27	5.88	0.02	3.33	2.02	35.46
1925	2.43	2.99	4.74	3.40	2.72	4.83	6.60	2.27	3.81	4.06	3.86	2.82	44.53
1926	2.99	3.91	3.65	2.47	1.42	2.83	3.49	2.54	1.52	5.52	5.79	3.04	39.17
1927	2.52	3.54	1.46	1.62	4.39	3.34	5.78	5.79	2.39	5.03	7.98	5.61	49.45
1928	2.45	2.71	1.98	4.60	2.87	7.35	6.84	8.08	4.08	1.59	2.25	1.35	46.15
1929	4.26	3.40	3.44	5.80	4.45	4.65	1.09	1.88	2.38	2.26	2.57	3.26	39.44
1930	2.28	1.80	3.97	1.44	3.20	3.48	5.16	1.82	2.09	2.43	3.30	1.45	32.42
1931	2.45	2.01	4.00	3.12	5.21	4.35	2.36	5.41	2.50	4.10	1.63	3.93	41.07
1932	4.50	2.24	4.81	2.19	2.22	1.72	4.99	3.62	5.18	5.02	4.62	1.83	42.94
1933	2.69	3.74	5.35	6.16	2.20	2.23	2.85	6.96	8.45	4.68	1.57	3.49	50.37
1934	3.18	2.81	3.60	3.95	3.78	5.57	3.31	2.69	8.51	2.71	3.96	3.33	47.40
1935	4.96	2.86	1.74	3.07	2.53	5.51	3.34	1.55	5.05	1.29	4.36	1.08	37.34
1936	6.48	2.80	8.83	4.21	2.18	3.40	3.05	6.10	3.53	3.21	2.15	6.46	52.40
1937	5.34	1.97	3.41	4.50	4.90	7.07	3.19	4.37	4.56	4.49	6.11	2.40	52.31
1938	4.61	1.97	2.03	2.79	3.65	7.93	8.19	3.85	15.48	2.33	3.29	3.48	59.60
Av. 23 yrs.	3.35	2.84	3.60	3.72	3.35	4.58	4.21	3.95	4.73	3.10	3.87	3.19	44.49
1939	2.73	3.54	3.52	4.28	1.66	2.84	2.22	3.95	2.25	4.12	0.83	3.56	35.50
1940	2.01	2.96	4.85	5.66	5.76	3.07	3.44	1.99	2.55	1.25	6.28	3.22	43.04
1941	2.19	1.76	1.44	0.81	2.65	3.83	5.10	3.68	0.95	2.58	3.13	3.12	31.24

MILLIS, MASS. (Water Works Pumping Station). Elevation, 130 feet.
Record November 1920 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.57	5.03	5.49	5.33	4.97	9.51	9.67	10.90	5.73	5.37	7.80	4.86	47.85
Year	1923	1926	1925	1923	1922	1922	1921	1927	1924	1927	1921	1927	1927
Min.	1.39	1.87	1.31	1.47	0.90	1.54	2.55	0.97	1.06	0.29	1.19	1.75	37.62
Year	1928	1923	1927	1922	1923	1927	1924	1925	1926	1924	1922	1924	1926
1929	3.20	2.60	2.37	7.30	3.15	1.65	1.05	1.95	2.02	2.87	2.94	3.01	34.09
1930	2.76	2.36	2.92	2.05	2.95	2.42	2.59	2.83	0.54	4.47	4.05	2.48	32.42
1931	2.15	2.70	4.77	2.54	4.01	8.90	3.54	6.13	1.94	2.17	0.83	3.11	42.79
1932	5.38	2.33	5.47	1.91	1.61	2.08	2.09	5.13	6.51	5.80	5.04	1.77	45.12
1933	1.69	2.90	7.29	6.10	2.40	1.94	3.33	3.50	9.63	3.24	1.07	4.04	47.13
1934	3.74	3.83	4.67	3.51	2.18	3.95	1.34	2.32	6.52	3.70	2.96	2.69	41.41
1935	7.17	3.32	1.70	4.83	2.14	4.75	2.49	1.59	2.75	0.60	4.56	0.91	36.81
1936	7.49	3.24	9.07	3.19	1.81	2.56	1.17	6.51	4.98	1.77	1.45	8.82	52.06
1937	4.25	2.16	3.72	4.52	2.67	4.27	1.36	7.77	3.23	3.47	5.56	3.44	46.42
1938	4.84	2.73	2.13	3.44	4.87	7.97	11.82	4.37	6.66	2.34	3.14	2.98	57.29
Av. 18 yrs.	3.75	3.00	3.87	3.81	2.81	3.93	3.68	4.27	3.95	3.17	3.43	3.42	43.09
1939	2.26	4.05	3.72	4.20	1.52	2.31	1.92	5.34	1.55	5.90	1.11	3.02	36.90
1940	2.35	4.17	4.03	5.47	4.04	3.10	3.79	1.80	2.16	1.53	6.65	3.00	42.09
1941	4.34	2.02	2.04	0.94	2.62	4.35	5.92	2.68	0.36	1.53	2.54	3.18	32.52

MILTON, MASS. (Blue Hill Observatory). Elevation, 640 feet.
Record February 1885 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.38	8.29	7.44	8.53	7.55	10.78	10.43	10.72	10.23	7.99	8.95	7.88	63.81
Year	1915	1886	1890	1904	1920	1922	1921	1927	1896	1890	1895	1901	1920
Min.	1.80	1.04	0.06	0.92	0.89	0.53	0.85	1.27	0.45	0.22	0.63	1.23	35.63
Year	1922	1901	1915	1892	1911	1912	1917	1899	1914	1924	1917	1892	1910
1929	4.43	4.68	3.70	8.71	3.62	4.03	1.19	3.14	1.40	2.40	4.04	5.61	46.95
1930	3.16	2.68	3.41	2.21	4.40	2.68	4.24	3.23	0.72	6.22	4.92	3.40	41.27
1931	4.23	4.64	5.91	3.72	4.97	8.77	2.35	5.85	1.88	2.63	1.01	3.32	49.28
1932	5.25	1.82	5.74	2.04	1.60	2.90	2.41	4.62	6.12	8.89	5.63	1.86	48.88
1933	2.30	4.27	6.17	7.04	3.03	2.15	3.65	4.17	11.04	3.88	1.10	3.99	52.79
1934	3.86	4.12	3.40	4.93	2.12	4.72	1.41	2.20	5.40	3.52	3.19	2.86	41.73
1935	7.18	3.26	1.41	7.57	1.95	5.77	2.09	3.95	2.73	0.61	5.48	1.74	43.74
1936	8.41	4.44	6.49	3.49	2.52	2.49	3.21	7.48	7.15	2.87	1.58	9.01	59.14
1937	4.43	1.74	3.80	5.37	3.25	3.49	0.87	4.63	4.31	5.06	5.66	3.78	46.39
1938	5.05	3.14	2.45	2.69	4.96	9.03	11.82	3.39	6.38	2.84	3.71	3.05	58.51
Av. 53 yrs.	4.19	3.86	4.17	3.95	3.56	3.61	3.96	4.21	4.17	3.82	3.77	3.97	47.24
1939	2.72	4.54	5.33	4.50	1.29	2.63	1.08	2.69	2.18	6.04	1.61	3.19	37.80
1940	2.39	6.69	4.08	5.57	3.73	3.14	3.93	2.16	3.03	1.25	6.43	2.60	45.00
1941	3.92	1.61	3.49	1.72	2.89	5.40	3.30	1.98	0.84	1.66	2.60	3.14	32.55

MILTON, MASS. (Rev. A. K. Teele). Elevation, 100 feet.
Record May 1885 to February 1896 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.58	7.70	8.39	4.25	5.31	4.81	9.30	6.69	8.70	9.94	9.66	5.48	55.39
Year	1889	1886	1890	1895	1890	1889	1889	1893	1888	1895	1888	1890	1888
Min.	2.13	1.08	0.93	0.73	2.03	1.35	1.25	1.21	1.45	2.29	1.24	1.03	35.20
Year	1894	1895	1894	1892	1891	1894	1888	1894	1893	1893	1890	1892	1894
Av. 10 yrs.	4.15	4.00	3.83	2.89	3.68	2.44	3.23	4.03	3.65	5.14	4.10	3.74	44.88

MONROE, MASS. (Monroe Bridge). Elevation, 840 feet.
Record January 1914 to April 1930 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.58	4.89	5.39	5.94	8.32	8.09	11.30	8.09	7.45	6.91	10.05	6.03	51.18
Year	1923	1915	1922	1920	1919	1922	1915	1928	1919	1917	1927	1920	1920
Min.	1.45	2.30	0.13	1.37	0.92	1.23	1.96	1.79	1.14	0.70	1.03	1.42	36.29
Year	1921	1924	1915	1927	1926	1924	1918	1918	1917	1928	1917	1928	1914
1929	3.85	3.42	3.54	7.23	3.73	3.53	1.24	1.31	2.48	3.19	2.98	3.34	39.84
1930	2.56	1.29	4.89	1.71	——	——	——	——	——	——	——	——	——

MONSON, MASS. Elevation, 370 feet.
Record January 1885 to December 1911—January 1926 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.33	7.58	7.01	6.69	7.19	6.00	9.45	10.00	9.79	7.25	7.25	10.06	58.69
Year	1891	1900	1888	1901	1901	1905	1897	1898	1907	1895	1898	1901	1898
Min.	1.79	0.95	1.44	0.44	0.59	1.26	1.38	1.30	0.89	1.05	0.89	1.32	31.61
Year	1896	1895	1910	1892	1911	1901	1909	1907	1885	1910	1890	1892	1894
1929	3.80	3.17	3.15	6.98	5.82	1.95	0.54	1.91	3.07	2.57	2.70	3.68	39.34
1930	1.99	2.54	2.64	1.89	4.34	2.03	4.83	2.18	1.19	2.31	2.91	1.94	30.79
1931	2.55	2.05	4.65	2.50	5.45	3.98	2.69	6.18	1.41	2.17	1.02	3.32	37.97
1932	4.95	2.38	3.15	2.05	2.32	3.06	3.23	5.53	4.80	5.44	4.38	2.15	43.44
1933	2.04	4.03	4.47	5.95	2.42	2.17	2.19	6.65	8.02	2.84	1.38	3.34	45.50
1934	3.69	1.97	3.75	3.70	3.85	6.42	2.69	3.73	8.90	2.86	3.68	3.31	48.55
1935	5.17	3.15	2.27	3.05	2.59	6.40	5.72	1.22	4.53	0.77	3.73	0.94	39.54
1936	6.62	2.89	8.07	3.89	4.07	2.85	3.85	3.80	3.27	4.47	1.99	8.70	54.47
1937	4.96	1.86	3.43	4.18	2.83	5.12	3.13	4.41	4.49	3.41	5.75	1.94	45.51
1938	4.55	2.95	2.42	3.84	4.25	8.51	8.80	3.66	14.42	1.90	3.71	3.04	62.05
Av. 40 yrs.	3.75	3.53	3.88	3.21	3.41	3.51	4.28	4.51	4.11	3.50	3.60	3.71	45.00
1939	3.09	4.25	3.36	4.35	0.70	3.25	1.49	6.78	3.04	5.30	1.16	3.90	40.67
1940	2.59	3.87	4.78	5.84	6.62	3.41	4.06	1.37	3.08	1.84	6.14	2.30	45.90
1941	2.30	2.27	1.91	0.83	2.89	5.23	5.18	5.02	0.76	1.78	2.82	3.22	34.21

MONTAGUE, MASS. (Turners Falls Co.). Elevation, 200 feet.
Record January 1892 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.94	6.52	7.66	6.18	6.49	7.92	13.32	10.06	10.41	7.58	7.89	6.77	50.94
Year	1910	1900	1896	1920	1921	1903	1897	1915	1907	1911	1927	1901	1897
Min.	1.09	0.38	0.22	0.53	0.44	0.67	1.02	0.69	0.40	0.00	0.13	0.77	27.66
Year	1896	1901	1915	1892	1903	1913	1913	1894	1914	1924	1904	1896	1894
1929	3.25	3.23	3.08	5.93	4.06	2.71	0.96	2.07	3.45	2.17	2.11	3.05	36.07
1930	2.29	0.92	4.43	1.42	3.23	5.22	4.76	1.73	2.49	2.39	3.29	1.14	33.31
1931	2.50	1.63	2.97	2.76	7.38	4.25	2.68	4.17	2.70	2.25	1.57	3.76	38.62
1932	4.03	1.80	3.50	2.64	1.47	1.01	4.47	3.58	3.36	4.54	5.99	1.77	38.16
1933	2.18	3.08	4.48	5.68	1.87	1.48	2.20	7.85	6.18	3.78	0.97	2.62	42.37
1934	3.06	2.06	3.16	4.17	3.46	5.18	3.68	3.48	8.86	1.84	3.58	2.81	45.34
1935	4.77	2.17	1.52	2.20	2.07	5.07	4.24	0.83	4.97	1.12	4.84	1.24	35.04
1936	5.50	2.08	7.38	4.02	1.25	1.87	3.41	7.12	0.88	3.14	2.03	5.73	44.41
1937	5.44	2.17	3.56	3.91	6.69	6.52	1.16	3.06	4.85	4.55	5.61	2.39	49.91
1938	5.43	2.04	2.11	2.26	3.56	6.75	8.42	2.12	12.94	2.44	2.93	4.18	55.18
Av. 47 yrs.	3.21	2.67	3.46	3.07	3.31	3.44	3.60	3.80	3.79	2.85	3.26	3.09	39.55
1939	3.04	3.36	3.72	5.06	1.48	3.67	2.41	2.73	2.78	4.19	0.93	3.20	36.57
1940	2.56	3.33	4.59	5.02	5.92	3.68	6.35	1.55	1.73	1.12	6.06	3.25	45.16
1941	2.41	1.82	1.82	0.57	1.90	2.39	4.24	2.07	1.89	1.93	4.28	3.85	29.17

MONTAGUE, MASS. (Lake Pleasant Pumping Station). Elevation, 280 feet.
Record August 1937 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1937	———	———	———	———	———	———	———	3.30	5.74	4.36	5.02	2.89	———
1938	5.00	1.70	1.92	2.82	3.49	7.40	6.71	3.01	13.25	2.46	3.06	2.45	53.27
1939	2.62	3.59	3.80	5.07	1.44	3.92	4.22	3.32	2.26	3.32	0.62	2.55	36.73
1940	1.55	2.83	5.00	5.51	5.29	4.61	3.38	1.52	1.92	1.13	5.96	3.28	41.98
1941	2.44	1.55	1.79	0.76	1.99	2.71	4.89	2.52	0.84	1.81	3.75	3.35	28.40

MONTGOMERY, MASS. Elevation, 980 feet.
Record January 1929 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1929	4.34	3.85	2.81	6.91	4.08	1.53	0.35	2.81	3.00	4.93	3.03	3.69	41.33
1930	2.06	1.52	4.08	2.48	4.61	7.20	4.06	1.86	2.30	1.37	4.53	1.68	37.75
1931	3.02	1.80	4.61	1.82	8.40	5.22	5.08	4.96	1.33	2.47	0.94	3.21	42.86
1932	3.89	2.13	3.03	3.10	1.59	4.30	3.51	2.86	3.76	7.06	8.55	1.46	45.24
1933	2.70	3.10	5.36	5.86	1.73	3.81	2.29	7.13	8.61	8.32	0.92	3.33	53.16
1934	3.80	2.30	2.52	6.32	4.71	6.07	1.78	5.78	11.40	2.88	4.04	3.62	55.22
1935	2.97	1.90	1.97	1.75	0.87	5.03	3.13	0.43	4.42	1.31	4.38	1.17	29.33
1936	5.75	3.32	10.28	4.00	2.07	1.99	1.26	5.95	4.92	3.32	1.57	6.34	50.77
1937	5.69	3.02	3.22	4.66	5.55	5.86	3.24	4.60	4.49	6.56	7.44	2.77	57.10
1938	5.48	1.91	2.43	2.61	4.27	9.06	8.95	3.07	11.75	2.49	3.04	4.28	59.34
Av. 10 yrs.	3.97	2.49	4.03	3.95	3.79	5.01	3.36	3.94	5.60	4.07	3.84	3.16	47.21
1939	2.88	4.05	4.03	4.91	0.92	3.35	3.30	6.40	2.96	4.43	1.22	2.73	41.18
1940	3.05	3.64	5.08	5.97	7.10	3.38	2.95	2.94	1.91	1.31	6.23	2.60	46.16
1941	2.44	3.32	1.71	0.89	3.07	5.36	6.93	3.45	0.89	1.92	3.30	5.19	38.47

NANTUCKET, MASS. Elevation, 35 feet.
Record March 1847 to December 1859—January 1887 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.96	7.00	8.87	8.49	7.87	6.50	6.55	11.05	7.80	10.05	7.80	6.73	57.99
Year	1859	1920	1850	1855	1888	1905	1927	1889	1854	1894	1889	1914	1889
Min.	0.08	0.50	0.25	0.45	0.37	0.14	0.29	0.21	0.61	0.10	0.62	1.08	27.08
Year	1849	1849	1915	1848	1923	1912	1894	1849	1910	1924	1917	1899	1849
1929	3.02	5.76	4.66	6.28	4.10	0.41	1.18	3.18	5.38	2.22	3.86	4.13	44.68
1930	4.42	3.41	3.05	1.01	2.03	0.49	2.16	1.79	0.15	3.28	7.01	5.14	33.94
1931	3.23	3.30	6.30	3.69	4.24	6.55	5.88	3.49	2.84	5.57	1.68	4.05	50.82
1932	6.30	1.60	4.52	1.27	2.66	3.56	0.66	1.54	3.51	7.66	4.72	3.06	41.06
1933	2.73	4.72	7.34	4.79	1.62	4.78	1.01	3.99	7.54	8.31	2.80	5.05	54.68
1934	3.30	4.22	3.22	2.73	2.23	2.33	0.86	2.21	3.37	4.89	2.54	3.48	35.38
1935	5.19	2.99	2.71	3.83	2.41	6.09	5.73	2.15	5.21	2.76	5.40	2.97	47.44
1936	4.92	2.71	4.27	2.21	0.87	3.59	1.58	2.84	4.15	4.28	1.81	7.04	40.27
1937	4.09	1.30	3.03	5.29	2.16	4.74	1.26	3.39	4.27	4.37	3.36	2.76	40.02
1938	4.39	3.01	3.53	5.72	2.91	6.24	2.00	3.02	9.55	3.79	3.84	5.60	53.60
Av. 64 yrs.	3.83	3.21	3.76	3.34	3.03	2.98	2.70	3.19	3.02	3.69	3.34	4.01	40.10
1939	5.89	5.38	7.27	3.52	1.36	2.94	2.29	4.41	1.08	4.56	1.19	2.05	41.94
1940	2.37	5.22	2.39	4.97	1.52	1.90	2.35	2.17	5.23	2.06	5.22	3.29	38.69
1941	3.45	1.81	3.83	4.79	1.92	5.90	5.46	4.17	0.49	3.80	2.02	2.58	40.22

NASHUA RIVER, WACHUSETT RESERVOIR WATERSHED, MASS.
Record January 1897 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.95	8.69	6.75	9.64	7.02	10.37	8.60	10.61	9.50	7.21	7.62	9.36	57.92
Year	1923	1900	1899	1901	1901	1903	1915	1898	1907	1898	1897	1901	1898
Min.	1.60	1.13	0.06	1.80	0.83	0.48	1.22	1.26	0.15	0.09	0.93	2.03	37.26
Year	1916	1901	1915	1917	1905	1912	1917	1907	1914	1924	1902	1924	1917
1929	4.80	4.28	3.40	5.83	4.62	3.09	0.85	1.50	2.00	3.12	3.14	3.30	39.93
1930	2.11	2.20	3.65	1.88	2.77	2.96	5.72	1.69	1.91	3.55	3.92	2.61	34.97
1931	3.44	2.71	5.00	2.98	5.01	6.07	2.71	6.95	2.04	2.46	1.35	3.63	44.35
1932	5.71	3.14	5.25	2.10	1.58	2.27	3.55	4.23	7.31	7.38	5.21	2.20	49.93
1933	2.71	4.78	5.92	6.39	2.58	1.93	2.16	4.68	10.88	3.40	1.68	3.86	50.97
1934	3.87	4.11	4.26	4.41	4.21	5.10	2.35	2.40	9.61	2.94	2.76	4.16	50.21
1935	6.80	3.63	2.19	4.09	2.67	5.89	2.81	2.13	4.63	0.73	4.67	1.18	41.42
1936	8.03	2.89	11.04	3.68	3.45	2.84	2.26	5.35	4.71	3.18	1.68	8.19	57.30
1937	5.36	2.33	3.63	5.49	4.23	4.27	1.77	4.62	3.90	4.47	8.44	3.58	52.09
1938	4.92	2.59	2.88	3.35	3.70	7.41	9.47	3.26	11.09	2.44	3.61	3.37	58.09
Av. 42 yrs.	3.90	3.72	4.11	3.91	3.33	3.93	3.98	4.01	4.15	3.26	3.73	3.91	45.94
1939	3.00	4.16	5.16	4.56	2.00	3.57	1.68	3.95	2.62	4.52	1.08	3.37	39.67
1940	3.50	4.58	4.59	6.12	5.49	2.50	4.55	1.60	2.47	1.13	7.15	2.90	46.58
1941	3.65	2.55	2.63	0.86	2.24	2.97	3.71	3.02	0.71	2.44	3.09	3.55	31.42

NEEDHAM, MASS. Elevation, 115 feet.
Record January 1937 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1937	4.37	1.96	5.25	4.59	3.10	3.30	0.83	4.84	3.10	3.47	5.23	3.96	44.00
1938	4.26	2.14	2.34	2.57	4.20	6.75	9.61	3.34	6.56	2.31	3.29	2.65	50.02
1939	2.45	3.58	4.39	4.20	1.24	2.97	2.86	4.02	1.72	5.02	1.19	2.89	36.53
1940	1.92	4.41	2.50	5.22	2.74	2.24	3.59	1.76	2.22	0.95	6.33	2.18	36.06
1941	3.43	1.98	2.64	1.47	2.26	4.85	3.57	2.65	0.36	1.71	2.75	3.89	31.56

NEW BEDFORD, MASS. Elevation, 100 feet.
Record January 1814 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	10.75	8.30	9.77	9.27	9.42	8.05	12.00	18.72	12.06	10.09	9.74	10.05	65.41
Year	1915	1814	1890	1841	1868	1862	1830	1826	1850	1913	1897	1901	1829
Min.	0.77	0.91	0.09	1.24	0.58	0.10	0.67	0.24	0.26	0.18	0.35	0.45	32.90
Year	1839	1818	1915	1896	1822	1912	1909	1854	1865	1924	1917	1828	1918
1929	3.80	4.02	4.25	7.23	3.37	1.77	2.15	6.03	3.77	3.06	3.18	6.05	48.68
1930	3.66	4.09	2.27	1.43	3.38	2.95	2.66	1.87	1.19	4.95	4.46	2.87	35.78
1931	3.78	3.22	6.90	3.27	5.83	7.15	4.87	5.46	1.85	4.02	1.11	4.00	51.46
1932	6.46	2.94	5.89	1.74	2.43	2.70	2.78	4.85	6.56	6.05	8.12	2.61	53.13
1933	2.84	4.80	6.68	8.14	2.40	2.11	2.40	3.87	10.50	4.33	3.46	3.93	55.46
1934	3.69	3.91	4.49	4.29	3.55	4.09	0.59	2.97	2.16	4.40	3.49	3.93	41.56
1935	6.01	3.15	2.41	5.33	2.22	4.43	2.88	1.38	5.05	2.30	6.96	1.55	43.77
1936	7.51	2.36	6.11	3.49	0.88	4.17	2.75	4.70	8.59	1.96	1.41	10.36	54.29
1937	4.47	1.40	4.09	5.54	2.93	4.26	0.86	3.57	4.88	4.20	5.32	4.75	46.27
1938	3.87	2.80	3.12	3.22	4.47	10.27	3.25	3.30	6.21	3.12	3.90	3.55	51.08
Av. 125 yrs.	4.08	3.82	4.28	3.97	3.81	3.23	3.31	4.19	3.55	3.85	4.12	4.14	46.35
1939	3.28	5.10	6.17	5.15	1.50	4.38	1.06	4.98	3.63	4.77	1.58	2.15	43.75
1940	2.13	6.44	4.03	8.12	4.73	1.69	4.75	1.35	4.34	2.21	7.23	2.62	49.64
1941	4.52	2.62	3.18	2.20	3.15	6.54	4.33	4.11	0.21	2.21	2.20	3.79	39.06

NEW BEDFORD, MASS. (Old Water Works Pumping Station). Elevation, 60 feet.
Record January 1886 to December 1898 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	9.17	8.15	8.53	6.07	6.52	5.53	7.57	7.56	9.31	10.14	9.43	6.67	64.19
Year	1891	1893	1890	1893	1890	1890	1889	1897	1888	1898	1897	1893	1898
Min.	2.19	0.83	1.88	1.23	2.22	0.77	0.80	1.98	1.01	1.55	1.30	1.50	42.78
Year	1896	1895	1894	1896	1891	1894	1894	1894	1897	1897	1890	1892	1895
Av. 13 yrs.	5.00	4.31	4.77	3.75	4.72	2.74	3.41	4.17	3.87	4.81	4.96	4.07	50.58

NEW BEDFORD, MASS. (City Hall). Elevation, 100 feet.
Record January 1903 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	10.09	5.34	7.72	8.19	5.53	6.29	9.39	8.71	5.63	7.56	7.05	6.93	46.45
Year	1915	1926	1912	1904	1916	1905	1916	1922	1905	1926	1921	1912	1912
Min.	1.54	1.10	0.10	1.20	0.57	0.15	0.93	1.33	0.66	0.15	0.32	1.69	29.43
Year	1921	1923	1915	1922	1923	1912	1917	1923	1914	1924	1917	1921	1918
1929	2.88	3.52	3.67	7.06	3.04	1.53	1.53	6.20	3.53	2.49	2.90	4.71	43.06
1930	3.32	3.50	1.43	0.92	2.77	2.09	1.86	2.14	0.21	3.81	3.97	2.02	28.04
1931	3.25	1.97	5.37	2.75	4.88	6.92	4.60	5.07	1.70	4.71	0.64	3.67	45.53
1932	5.19	2.16	4.81	1.00	1.90	3.30	3.18	4.74	7.79	4.80	6.75	1.97	47.59
1933	2.47	3.57	5.19	7.61	1.51	2.02	1.40	3.85	10.53	3.89	2.72	3.30	48.06
1934	3.04	3.24	3.79	4.81	3.38	3.16	0.31	2.23	1.75	4.17	2.63	3.40	35.91
1935	5.87	2.94	2.11	5.01	1.66	4.42	2.23	1.67	5.75	2.05	5.74	1.33	40.78
1936	6.33	1.97	4.99	2.48	1.29	3.80	2.02	4.39	7.01	2.58	1.19	9.02	47.07
1937	3.56	0.98	3.31	5.52	3.19	5.17	0.27	5.10	4.32	3.62	4.86	4.15	44.05
1938	3.13	2.24	2.84	3.28	3.80	9.31	3.29	1.85	4.83	3.35	3.70	3.05	44.67
Av. 33 yrs.	3.80	3.04	3.53	3.67	2.82	3.46	2.98	4.02	3.33	3.17	3.18	3.49	40.49
1939	2.99	3.57	5.72	4.50	0.68	3.73	1.35	6.44	1.97	3.43	1.62	1.72	37.72
1940	2.33	4.41	3.85	6.76	3.60	1.46	4.29	1.60	3.96	2.32	6.50	2.80	43.88
1941	3.75	2.04	3.01	1.67	2.03	6.63	4.22	2.34	0.76	2.07	2.30	3.41	34.23

NEW BEDFORD, MASS. (Clark's Point). Elevation, 10 feet.
Record December 1930 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1930	———	———	———	———	———	———	———	———	———	———	———	1.84	———
1931	3.00	2.12	5.59	3.15	7.21	5.64	2.58	6.47	2.11	5.69	0.88	3.91	48.35
1932	4.79	2.49	5.15	1.25	1.75	3.13	1.98	4.18	6.45	4.33	6.26	2.09	43.85
1933	2.72	3.87	6.34	7.01	2.34	2.24	1.32	4.38	10.79	4.04	2.75	3.22	51.02
1934	3.45	2.70	4.41	4.00	3.24	2.93	0.30	2.82	1.46	4.09	2.75	4.05	36.20
1935	6.56	3.14	2.24	4.64	1.69	6.41	2.15	1.26	5.74	2.32	6.63	1.49	44.27
1936	6.67	2.56	6.21	3.37	1.32	3.47	1.62	3.15	7.51	1.93	1.82	10.41	50.04
1937	4.38	1.21	3.59	5.37	3.52	4.07	0.30	6.43	4.39	3.40	4.53	4.57	45.76
1938	4.12	2.34	3.24	3.51	3.51	8.66	4.45	2.09	6.05	3.34	3.57	3.36	48.24
Av. 8 yrs.	4.46	2.55	4.60	4.04	3.07	4.57	1.84	3.85	5.56	3.64	3.65	4.14	45.97
1939	3.75	5.29	5.59	4.55	0.56	4.41	0.73	6.32	2.22	3.03	1.67	1.78	39.90
1940	2.22	5.36	4.11	6.14	3.20	0.94	4.41	1.39	3.58	2.38	6.18	3.23	43.14
1941	4.10	1.99	2.74	1.99	1.93	5.76	3.41	3.58	0.76	2.39	2.13	2.79	33.57

NEW BRAINTREE, MASS. Elevation, 980 feet.
Record May 1929 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1929	———	———	———	———	3.69	2.75	0.87	2.14	5.03	1.80	2.47	2.38	———
1930	1.69	1.69	2.19	1.25	2.35	2.68	5.05	1.92	2.23	1.72	1.87	1.05	25.69
1931	1.42	1.49	4.53	1.92	5.52	3.59	3.10	7.81	1.85	2.41	1.02	2.85	37.51
1932	4.01	1.40	2.93	1.21	1.38	2.43	3.60	6.05	5.10	3.88	3.23	1.33	36.55
1933	1.88	3.16	3.68	4.44	1.51	2.85	1.12	4.73	9.03	4.77	1.00	2.59	40.76
1934	3.28	2.37	2.51	3.45	4.00	4.93	2.82	2.81	8.29	2.60	2.66	2.56	42.28
1935	3.65	2.18	1.79	1.80	2.46	4.60	3.02	0.61	4.47	0.37	3.62	0.82	29.39
1936	5.15	1.91	9.55	2.97	3.35	2.86	2.27	5.03	4.78	2.70	1.28	6.66	48.51
1937	4.64	1.85	2.18	3.60	3.71	5.94	2.65	5.75	4.23	3.46	4.99	2.35	45.35
1938	3.28	1.78	2.28	2.66	2.91	8.11	8.40	2.70	15.01	1.95	3.30	2.49	54.87
Av. 9 yrs.	3.22	1.98	3.52	2.59	3.02	4.22	3.56	4.16	6.11	2.65	2.55	2.52	40.10
1939	2.07	3.32	3.48	3.35	1.15	2.86	1.95	4.26	2.42	3.49	0.76	2.82	31.93
1940	1.91	2.55	4.45	5.32	4.49	2.35	3.62	1.45	1.69	1.14	5.57	2.55	37.09
1941	1.38	1.65	0.87	0.64	1.97	2.69	4.92	3.59	0.90	2.12	1.95	2.40	25.08

NEWBURYPORT, MASS. Elevation, 80 feet.
Record August 1885 to December 1894 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.76	6.75	6.94	4.99	6.08	4.86	6.79	7.57	8.47	7.20	8.15	5.80	60.26
Year	1886	1886	1890	1887	1890	1892	1889	1887	1888	1890	1889	1886	1888
Min.	1.23	2.30	1.11	0.60	1.34	0.15	1.34	0.48	0.30	1.32	1.15	0.93	28.03
Year	1893	1889	1894	1892	1887	1894	1893	1894	1893	1892	1894	1892	1894
Av. 9 yrs.	4.85	4.41	4.02	2.33	4.16	2.62	3.33	3.74	3.14	3.99	3.99	3.87	44.45

NEWBURYPORT, MASS.

Record—Plum Island January 1913 to September 1931 inclusive. Elevation, 20 feet.
Record—Water Works Pumping Station October 1931 to December 1941 inclusive. Elevation, 20 feet.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	4.82	7.26	7.26	6.23	6.88	9.27	10.35	6.04	7.27	6.43	7.63	5.00	44.73
Year	1915	1920	1925	1914	1922	1922	1915	1915	1918	1913	1921	1925	1920
Min.	0.91	0.65	0.06	1.38	0.96	0.67	0.91	1.15	0.29	0.00	0.72	1.42	32.25
Year	1916	1923	1915	1922	1918	1913	1913	1921	1914	1924	1922	1919	1914
1929	3.27	3.10	3.99	5.31	3.26	1.35	1.15	1.84	3.18	2.37	2.93	3.78	35.53
1930	2.80	2.22	3.96	1.79	3.61	1.49	4.01	2.19	1.14	4.08	4.23	2.05	33.57
1931	2.98	2.81	3.19	2.52	3.56	6.39	3.04	4.82	2.14	3.12	1.14	3.66	39.67
1932	5.83	2.08	5.08	2.56	0.91	2.06	2.69	3.32	5.42	7.36	4.18	1.34	42.83
1933	2.59	3.11	6.15	7.75	2.93	1.44	3.93	2.55	8.42	4.49	1.68	3.41	48.45
1934	2.63	2.76	4.86	2.74	2.17	4.30	2.35	0.57	6.83	4.06	2.71	2.43	38.41
1935	6.48	3.15	1.57	4.80	1.48	6.29	3.44	1.50	4.83	0.94	5.55	1.33	41.36
1936	7.34	2.28	7.06	3.61	2.21	2.38	4.79	3.01	3.30	1.56	1.03	8.01	46.58
1937	4.49	2.10	4.35	5.00	2.80	4.63	0.49	3.38	4.22	3.10	5.25	4.56	44.37
1938	3.96	2.39	2.51	3.39	3.52	6.72	12.49	1.99	8.28	2.67	2.31	3.90	54.13
Av. 26 yrs.	3.25	2.79	3.30	3.68	2.82	3.62	3.81	2.94	3.61	3.10	3.16	3.14	39.22
1939	1.99	3.27	4.54	4.71	2.02	3.85	1.28	2.77	1.57	4.08	0.72	3.45	34.25
1940	2.43	3.54	4.53	5.30	3.63	2.58	3.15	1.45	3.99	0.56	6.35	4.07	41.58
1941	2.94	2.04	2.24	1.04	3.22	1.72	4.89	2.37	0.51	2.65	2.53	4.61	30.76

NEW SALEM, MASS. Elevation, 850 feet.
Record August 1919 to December 1937 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.90	4.40	5.72	9.95	5.94	11.59	8.07	7.42	7.62	6.16	9.92	6.00	52.05
Year	1923	1920	1922	1921	1922	1922	1925	1928	1920	1923	1927	1920	1920
Min.	1.19	1.57	0.86	1.48	1.86	1.23	1.83	2.40	1.27	0.06	1.83	0.97	33.63
Year	1922	1924	1924	1927	1926	1924	1920	1925	1926	1924	1922	1928	1924
1929	4.24	3.14	3.18	5.99	4.68	3.57	1.15	1.56	3.41	2.79	3.12	3.50	40.33
1930	2.13	1.77	3.47	0.85	3.82	4.18	5.61	1.68	3.23	1.92	3.89	1.53	34.08
1931	2.98	1.80	4.11	2.60	5.86	4.57	2.29	6.22	2.09	3.20	1.99	4.31	42.02
1932	4.33	2.35	2.68	2.50	2.34	2.57	8.08	4.26	5.09	4.13	4.94	2.10	45.37
1933	2.51	3.00	5.02	4.91	2.10	3.19	2.78	5.88	8.83	4.37	1.24	3.56	47.39
1934	3.44	2.02	3.89	3.20	4.58	5.60	4.03	3.13	10.10	2.50	4.55	2.76	49.80
1935	5.55	2.73	1.43	2.59	3.00	5.87	3.05	1.16	4.92	1.26	4.72	1.02	37.30
1936	6.89	3.19	9.48	4.37	1.84	4.19	2.81	6.32	6.27	3.32	2.01	6.51	57.20
1937	5.69	2.34	3.45	3.19	5.23	7.42	1.87	7.49	5.19	5.31	6.64	3.25	57.07
Av. 18 yrs.	3.48	2.69	3.60	3.75	3.54	4.87	4.06	4.44	4.76	3.26	4.14	3.32	45.91
1938	——	——	——	——	4.05	8.28	8.14	3.32	12.96	2.85	——	——	——
1939	——	——	——	——	2.87	3.99	1.64	4.64	2.60	5.22	0.66	4.07	——

NEWTON, MASS. (Water Works Pumping Station). Elevation, 100 feet.
Record January 1908 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.17	6.33	6.30	5.87	5.47	10.36	9.11	7.19	9.42	6.65	6.65	5.42	49.42
Year	1923	1920	1925	1921	1919	1922	1915	1917	1918	1913	1921	1925	1919
Min.	1.50	1.94	0.02	1.55	0.47	0.53	0.86	0.95	0.24	0.13	0.96	1.72	32.63
Year	1916	1925	1915	1922	1911	1912	1917	1925	1914	1924	1908	1924	1910
1929	3.94	3.68	3.04	8.00	3.13	2.82	1.44	1.83	1.75	2.87	3.18	4.14	39.82
1930	3.08	2.48	3.24	2.14	3.10	1.86	3.17	2.64	0.47	5.49	3.98	3.04	34.69
1931	3.59	3.65	5.16	2.76	4.73	9.08	2.19	4.98	1.98	2.42	0.95	3.41	44.90
1932	5.73	2.44	5.52	1.46	2.13	2.81	1.91	4.76	5.90	8.18	5.00	2.15	47.99
1933	2.46	3.27	7.12	6.73	2.60	2.05	2.27	2.96	10.62	3.55	1.12	4.03	48.78
1934	4.38	3.66	5.09	3.20	2.35	4.43	1.89	1.97	6.00	3.50	2.96	2.51	41.94
1935	3.11	3.11	1.79	6.90	1.61	5.57	2.52	3.15	3.65	0.82	5.26	0.89	41.38
1936	7.81	3.34	7.66	3.34	1.94	2.25	1.24	5.97	6.12	1.72	1.41	8.34	51.14
1937	4.17	1.86	3.59	4.94	2.82	3.07	1.03	4.69	3.48	4.06	5.19	4.12	43.02
1938	3.93	1.98	2.30	2.73	4.31	6.86	10.28	3.93	6.97	2.81	3.13	2.90	52.13
Av. 31 yrs.	3.82	3.36	3.74	3.88	2.95	3.56	3.59	3.77	3.69	2.99	3.24	3.50	42.09
1939	2.33	3.78	4.44	4.25	1.41	3.46	1.33	3.69	1.54	5.80	1.32	3.14	36.49
1940	1.98	4.07	3.17	5.17	3.35	1.84	3.62	1.86	2.63	1.04	6.04	2.55	37.32
1941	3.32	1.38	2.23	1.57	2.27	3.61	2.96	3.11	0.51	1.92	2.52	3.04	28.44

NORFOLK, MASS. Elevation, 244 feet.
Record January 1903 to December 1920 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.10	5.11	5.89	8.54	5.58	6.90	9.77	8.34	10.56	7.52	5.91	6.13	50.87
Year	1915	1920	1912	1904	1908	1916	1915	1911	1918	1906	1910	1912	1919
Min.	1.35	1.42	T	1.52	0.70	0.32	0.89	0.83	0.43	0.81	0.42	1.87	29.94
Year	1916	1905	1915	1910	1903	1912	1907	1910	1914	1918	1917	1906	1905
Av. 18 yrs.	3.55	3.14	3.37	3.57	3.12	3.18	3.78	3.75	3.93	3.22	2.93	3.46	41.00

NORTH ADAMS, MASS. (Notch Brook Reservoir). Elevation, 1,200 feet.
Record January 1900 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.13	6.54	5.55	6.40	6.31	9.16	8.05	7.64	6.48	8.00	11.07	7.42	48.20
Year	1923	1900	1913	1902	1919	1903	1915	1903	1907	1907	1927	1901	1920
Min.	1.30	1.10	0.55	1.34	0.63	1.10	1.67	1.00	0.39	0.04	0.87	1.19	31.73
Year	1921	1912	1915	1911	1903	1913	1918	1907	1914	1924	1917	1921	1917
1929	3.94	3.55	4.24	7.31	3.67	3.07	1.32	1.55	2.28	1.94	2.50	3.20	38.57
1930	2.57	2.71	4.87	1.53	3.44	3.08	3.02	1.38	1.68	1.64	3.72	1.25	30.89
1931	2.86	1.38	2.83	2.97	4.17	4.36	4.40	3.06	3.59	2.26	1.44	3.24	36.56
1932	4.95	2.74	2.76	1.97	2.32	1.96	3.43	2.77	1.90	3.36	5.75	1.17	35.08
1933	2.67	3.77	3.17	5.09	1.59	1.58	1.49	5.74	5.08	2.70	1.38	2.91	37.17
1934	2.91	2.90	2.14	4.34	2.44	5.85	1.87	2.38	5.99	1.83	4.93	3.22	40.80
1935	4.91	2.16	2.50	2.37	2.18	4.56	5.27	1.39	3.73	1.09	3.63	1.28	35.07
1936	5.25	2.09	6.84	3.95	2.64	1.75	1.51	4.49	1.71	3.40	2.29	3.92	39.84
1937	3.63	2.74	2.80	3.36	5.82	4.10	1.89	3.43	5.65	5.07	3.60	1.46	43.55
1938	4.60	1.68	1.73	3.03	3.18	4.16	5.09	2.73	8.72	1.92	4.50	3.47	44.81
Av. 39 yrs.	3.30	2.96	3.39	3.29	3.02	3.54	3.56	3.56	3.49	2.95	3.22	2.92	39.20
1939	1.89	2.54	3.49	5.06	0.61	2.21	2.11	2.47	2.77	3.78	1.19	2.67	30.79
1940	1.49	3.61	5.08	5.38	4.69	2.51	3.31	2.34	3.93	0.95	4.68	3.24	41.21
1941	3.46	3.08	2.15	0.53	3.08	4.03	5.29	4.26	1.93	3.27	2.52	4.26	37.86

NORTH ADAMS, MASS. (Broad Brook Reservoir).* Elevation, 900 feet.
Record January 1900 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.41	5.76	6.80	7.69	6.11	10.11	9.10	8.64	7.10	6.21	9.35	8.12	49.93
Year	1910	1900	1930	1908	1919	1903	1915	1901	1918	1917	1927	1915	1902
Min.	1.72	1.17	0.27	1.26	0.65	1.21	1.15	1.31	0.48	0.88	0.68	1.64	30.69
Year	1920	1907	1915	1917	1903	1913	1909	1913	1914	1928	1917	1925	1917
1929	2.77	3.38	4.36	6.30	3.62	3.25	1.53	1.07	2.41	1.77	1.94	2.75	35.15
1930	2.47	1.73	3.53	1.32	4.25	3.63	3.75	1.68	2.49	1.99	3.00	1.27	31.11
1931	2.18	1.38	3.21	2.87	4.78	4.30	5.56	2.52	3.98	2.32	1.72	3.15	37.97
1932	4.88	1.72	3.09	3.05	3.25	2.45	5.42	4.55	2.93	3.42	4.79	1.25	40.80
1933	2.02	2.98	3.13	5.67	1.61	2.70	2.43	3.66	5.81	3.23	1.62	3.89	38.75
1934	3.35	2.47	3.10	3.89	3.55	8.11	2.43	2.00	3.85	2.59	3.10	3.78	42.22
1935	5.23	2.46	2.17	2.12	2.65	3.78	7.43	1.46	3.62	0.61	4.91	1.40	37.84
1936	4.94	2.26	7.00	3.41	3.09	3.34	2.18	7.32	2.03	3.58	2.71	4.71	46.57
1937	4.63	2.62	3.60	3.03	2.42	3.42	3.37	3.72	3.76	3.57	3.49	1.65	39.28
1938	3.09	1.91	1.82	4.23	2.16	4.37	9.90	3.73	10.38	1.67	2.90	2.98	49.14
Av. 39 yrs.	3.12	2.57	3.41	3.40	3.13	3.99	4.09	4.07	3.69	3.17	3.12	3.02	40.78
1939	1.28	4.07	3.00	5.39	1.04	3.17	3.44	4.27	3.28	3.53	3.20	2.34	38.01
1940	1.73	1.74	5.04	3.78	4.41	2.05	6.50	1.20	6.70	1.10	4.14	3.71	42.10
1941	1.33	0.51	0.83	0.80	2.28	3.22	6.40	2.05	3.13	3.05	1.68	3.93	29.21

*Gage at Downal, Vt.

NORTHAMPTON, MASS. (Mt. Monotuck). Elevation, 850 feet.
Record January 1886 to April 1898—Many missing months.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.94	6.51	7.08	4.23	4.76	5.84	15.37	7.89	10.18	6.91	6.92	5.63	61.44
Year	1891	1893	1896	1887	1888	1887	1897	1887	1888	1890	1889	1897	1888
Min.	0.76	1.35	1.48	0.75	1.13	0.25	2.02	0.63	1.62	0.56	1.25	1.01	32.38
Year	1896	1895	1894	1892	1887	1894	1894	1894	1897	1892	1890	1896	1894
Av. 10 yrs.	4.34	3.69	3.79	2.56	3.22	3.48	5.70	4.40	4.25	3.47	3.92	3.52	46.34

NORTHAMPTON, MASS. (Mt. Tom Station*). Elevation, 200 feet.
Record April 1901 to February 1912 inclusive except June 1901 and April-September 1911.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.57	5.36	8.28	11.33	8.89	11.06	5.71	8.54	11.22	8.27	5.78	7.94	59.16
Year	1905	1908	1902	1901	1901	1903	1903	1903	1907	1906	1907	1901	1906
Min.	1.72	1.56	1.67	2.39	0.96	1.00	1.57	1.69	1.22	0.92	1.10	1.77	36.87
Year	1912	1905	1910	1908	1905	1908	1909	1907	1908	1910	1908	1908	1908
Av. 9 yrs.	3.82	3.71	4.62	4.24	3.46	4.86	3.64	5.37	5.51	4.04	2.56	4.03	49.86

*Used Northampton record after March 1908.

NORTHAMPTON, MASS. (Hancock St.). Elevation, 125 feet.
Record January 1881 to December 1888 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.66	6.09	5.75	4.32	6.05	6.69	8.91	7.98	13.43	5.95	6.99	6.41	68.69
Year	1887	1884	1888	1887	1882	1888	1887	1885	1888	1888	1885	1884	1888
Min.	3.03	3.21	1.07	1.76	1.73	2.04	2.38	0.75	0.82	1.59	0.99	2.31	43.61
Year	1883	1885	1885	1882	1887	1884	1885	1882	1884	1882	1882	1882	1882
Av. 8 yrs.	4.77	4.64	3.97	3.06	4.07	3.75	4.35	4.28	5.14	3.85	4.31	4.51	50.70

NORTHAMPTON, MASS. (Leeds). Elevation, 350 feet.
Record January 1883 to December 1900 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.34	8.70	11.45	5.12	8.29	7.17	12.36	8.92	11.00	7.91	7.30	6.41	66.73
Year	1891	1900	1896	1895	1893	1889	1897	1887	1888	1890	1889	1884	1888
Min.	0.83	1.29	1.14	1.14	1.53	1.52	0.80	0.26	0.93	0.62	1.42	1.04	37.37
Year	1893	1895	1885	1892	1885	1894	1894	1894	1885	1892	1890	1896	1894
Av. 18 yrs.	4.34	4.42	4.21	2.98	4.29	3.83	4.98	4.66	3.93	4.22	4.32	3.90	50.08

NORTH ANDOVER, MASS. Elevation, 100 feet.
Record May 1911 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.86	4.18	7.55	6.48	5.59	10.26	12.41	6.60	8.68	8.37	6.36	5.70	45.17
Year	1923	1920	1925	1914	1919	1922	1915	1915	1924	1913	1921	1925	1925
Min.	1.34	1.26	0.02	1.14	0.28	0.36	1.26	1.66	0.21	0.05	0.86	1.17	32.66
Year	1922	1923	1915	1922	1911	1912	1920	1912	1914	1924	1917	1924	1926
1929	3.00	3.93	3.70	7.33	3.59	1.30	1.35	3.02	1.70	2.59	2.95	3.67	38.13
1930	2.40	2.26	3.29	1.61	2.80	2.83	4.53	1.19	1.41	4.18	3.26	2.38	32.94
1931	3.24	2.74	5.40	3.33	3.00	6.68	3.54	4.76	2.29	2.61	1.28	3.73	42.60
1932	4.83	1.74	4.47	1.92	1.06	1.36	3.34	5.06	6.29	7.04	5.16	1.69	43.96
1933	2.54	3.66	6.54	6.55	2.80	1.38	3.07	4.76	8.82	3.79	1.44	3.83	49.18
1934	3.11	2.83	4.45	4.32	2.59	4.33	1.00	1.28	6.21	3.40	3.45	2.19	39.16
1935	6.30	3.16	1.90	4.88	1.38	6.24	3.15	0.93	4.67	0.99	6.08	1.20	40.88
1936	6.96	3.22	7.37	4.07	2.34	3.18	3.27	3.91	3.07	2.55	1.30	8.12	49.36
1937	4.57	1.20	3.50	4.91	3.76	3.70	0.80	3.35	3.65	4.78	5.59	4.10	43.91
1938	4.46	2.45	2.15	2.93	3.42	6.23	10.85	3.81	7.93	2.51	3.06	3.08	52.88
Av. 27 yrs.	3.28	2.74	3.50	3.91	2.98	3.58	3.74	3.47	3.75	3.19	3.38	3.38	40.90
1939	2.01	3.37	3.95	4.75	1.80	4.17	0.91	3.07	2.05	5.17	1.01	3.02	35.28
1940	2.01	5.07	4.11	5.80	4.14	3.66	3.55	2.04	3.77	0.99	6.71	3.12	44.97
1941	3.02	1.86	2.43	1.56	2.34	1.88	4.03	3.06	0.56	2.29	2.47	4.02	29.52

NORTH ATTLEBORO, MASS. Elevation, 200 feet.
Record January 1915 to December 1928 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.14	4.93	4.93	4.65	5.62	7.70	8.35	7.92	9.26	6.59	6.35	5.19	47.37
Year	1915	1920	1919	1923	1919	1922	1921	1927	1918	1917	1921	1927	1919
Min.	1.54	1.29	0.05	1.35	0.61	1.14	1.04	1.14	0.52	0.00	0.36	1.85	28.66
Year	1922	1923	1915	1927	1923	1926	1917	1928	1915	1924	1917	1924	1928
Av. 14 yrs.	3.28	2.84	2.89	3.13	3.08	3.78	4.05	3.83	3.44	2.80	3.14	3.24	39.50

NORTHBRIDGE, MASS. (Whitinsville). Elevation, 350 feet.
Record January 1872 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.95	7.92	9.88	8.47	7.14	9.04	10.51	8.64	8.63	9.94	10.67	8.69	59.95
Year	1891	1900	1877	1904	1893	1903	1889	1877	1918	1890	1927	1901	1888
Min.	1.61	0.90	0.03	0.83	0.78	0.20	0.91	0.68	0.28	0.21	0.78	0.88	33.50
Year	1916	1901	1915	1892	1903	1873	1885	1876	1914	1924	1917	1875	1910
1929	4.14	4.01	3.09	7.45	3.86	3.78	1.04	2.78	2.44	3.71	3.04	4.06	43.40
1930	2.78	2.29	3.50	2.40	2.67	1.99	3.70	1.44	0.78	3.64	4.20	2.63	32.02
1931	3.28	2.87	5.65	2.92	4.63	7.64	1.84	6.07	1.30	2.06	0.96	3.12	42.34
1932	5.13	2.22	5.62	2.26	1.96	1.90	1.63	5.92	7.84	6.33	5.94	1.99	48.74
1933	2.16	3.87	6.51	5.47	2.32	2.23	2.86	3.80	9.08	3.35	1.28	4.03	46.96
1934	4.07	3.68	3.88	4.68	4.40	4.82	2.61	2.45	8.49	3.12	2.55	3.75	48.50
1935	6.30	3.18	1.74	4.43	3.20	6.17	2.71	3.17	3.43	0.65	4.91	1.06	40.95
1936	7.76	3.31	10.62	3.27	2.00	2.43	2.95	6.72	6.39	2.67	1.54	8.80	58.46
1937	4.61	2.19	3.74	6.14	2.51	3.86	3.81	6.31	3.31	4.59	8.00	3.46	52.53
1938	4.83	2.82	2.68	2.72	4.39	7.56	11.32	2.79	8.79	1.44	3.28	3.16	55.78
Av. 67 yrs.	3.95	3.66	4.24	3.67	3.29	3.41	3.76	4.24	3.62	3.66	3.85	3.68	45.03
1939	2.65	4.70	4.27	4.65	1.10	2.98	1.39	7.03	2.12	4.95	1.03	3.12	39.99
1940	2.67	4.78	3.66	5.41	5.53	2.72	3.74	1.48	2.62	1.71	6.56	2.64	43.52
1941	3.44	3.01	2.67	1.40	3.17	3.87	5.28	4.56	0.52	1.90	3.03	3.03	35.88

NORTHFIELD, MASS. (Northfield Schools). Elevation, 380 feet.
Record June 1931 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1931	———	———	———	———	———	3.23	2.78	3.10	1.91	2.39	1.46	3.76	———
1932	4.46	2.23	3.98	2.57	2.30	1.26	3.86	3.31	3.76	3.90	5.80	1.77	39.20
1933	2.47	3.16	4.80	6.61	1.70	1.51	2.85	6.73	7.13	4.36	1.41	3.63	46.36
1934	3.13	2.42	2.96	4.14	3.05	5.08	3.75	3.69	9.39	2.42	3.26	3.33	46.62
1935	5.21	2.83	1.65	2.69	1.95	4.38	4.74	0.97	5.60	1.33	4.65	1.28	37.28
1936	5.86	3.20	9.24	4.22	1.37	2.60	3.05	5.22	2.41	3.10	2.13	6.26	48.66
1937	5.54	2.35	4.09	3.80	6.58	6.27	1.34	2.61	3.82	3.95	5.84	2.64	48.83
1938	4.70	1.95	1.69	2.39	3.42	7.09	6.36	2.20	12.91	2.46	3.18	4.07	52.42
Av. 7 yrs.	4.48	2.59	4.06	3.78	2.91	4.03	3.71	3.53	6.43	3.07	3.75	3.28	45.62
1939	3.03	3.43	3.59	4.69	1.67	4.14	1.97	3.35	2.27	3.81	0.73	3.11	35.79
1940	2.22	2.68	5.06	4.18	5.07	3.13	2.63	1.48	1.90	0.97	5.87	3.53	38.72
1941	2.61	2.02	1.90	0.67	1.94	2.96	5.30	4.25	0.85	2.00	3.24	3.55	31.29

NORWOOD, MASS. (Ellis Station). Elevation, 90 feet.
Record January 1913 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.09	4.97	5.55	6.25	5.80	10.33	11.46	11.40	8.94	7.29	6.12	6.04	48.50
Year	1915	1920	1925	1921	1917	1922	1915	1917	1918	1913	1921	1925	1922
Min.	1.21	1.35	0.02	1.50	1.00	1.13	0.48	1.16	0.38	0.17	0.78	1.56	34.68
Year	1916	1923	1915	1922	1923	1914	1917	1925	1914	1924	1917	1924	1914
1929	3.85	2.99	2.67	7.50	3.78	5.60	0.87	2.56	1.45	2.87	2.98	4.30	41.42
1930	2.95	2.29	2.99	1.80	2.98	1.55	3.69	3.00	0.30	4.72	3.78	2.75	32.80
1931	3.25	3.13	4.93	3.26	4.81	9.44	3.06	6.01	2.00	2.42	0.79	2.05	45.15
1932	4.96	1.79	5.58	1.37	1.66	2.38	2.70	5.05	5.97	8.99	6.29	1.46	48.20
1933	2.13	3.16	5.91	6.00	2.46	1.63	2.24	3.39	9.68	3.79	0.88	3.95	45.22
1934	3.59	3.88	4.24	3.13	2.99	5.02	1.25	2.01	5.41	3.57	3.23	2.52	40.84
1935	5.92	2.73	1.35	7.27	2.09	6.04	1.71	3.15	2.78	0.54	4.22	0.92	38.72
1936	7.08	3.07	7.13	2.71	1.66	2.72	2.81	7.19	6.96	1.72	1.03	8.73	52.81
1937	4.12	1.72	3.59	4.71	3.33	3.53	1.07	5.12	3.58	3.69	5.87	3.44	43.77
1938	3.16	1.97	2.30	1.85	5.29	8.38	10.58	4.95	5.80	3.03	2.54	2.71	52.56
Av. 26 yrs.	3.41	2.82	3.47	3.91	3.15	3.92	4.05	4.41	3.88	3.26	3.14	3.34	42.76
1939	2.23	2.81	3.64	4.44	1.50	2.72	1.61	3.30	2.42	6.10	1.37	3.01	35.15
1940	2.21	4.15	3.59	5.26	3.46	2.49	3.53	2.18	2.47	0.96	6.08	2.27	38.65
1941	2.69	1.90	2.06	1.47	2.58	4.22	4.61	2.59	0.25	1.51	2.25	3.22	29.35

OAKHAM, MASS. (Coldbrook Springs). Elevation, 750 feet.
Record November 1923 to December 1932 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	3.83	3.25	4.99	5.12	4.07	6.49	7.80	7.15	5.28	4.74	6.98	5.74	52.33
Year	1924	1928	1925	1924	1927	1928	1927	1927	1924	1926	1927	1927	1927
Min.	2.30	1.68	1.12	2.15	1.72	1.18	2.67	1.48	1.67	0.08	1.99	1.57	34.15
Year	1925	1924	1924	1927	1926	1924	1926	1925	1926	1924	1928	1928	1924
1929	4.06	3.01	3.26	5.25	4.55	2.80	0.79	1.79	2.69	2.20	3.02	2.84	36.26
1930	1.91	1.98	3.14	1.53	2.67	3.90	8.39	1.39	2.58	2.77	2.59	1.35	34.20
1931	2.83	2.14	4.72	2.51	4.60	5.18	3.39	7.92	2.55	3.00	1.30	3.08	43.22
1932	4.92	1.72	5.53	1.71	1.41	1.82	4.34	3.81	6.46	5.54	3.83	1.89	42.99
Av. 9 yrs.	3.08	2.39	3.19	3.08	2.93	3.44	4.60	4.12	3.61	3.27	3.50	2.76	39.97

OTIS, MASS. (West Otis). Elevation, 1,400 feet.
Record January 1913 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.14	4.46	7.29	6.99	7.28	7.80	8.86	10.24	7.91	8.15	11.07	5.37	56.95
Year	1915	1915	1922	1924	1919	1922	1925	1928	1924	1913	1927	1920	1927
Min.	1.86	1.78	0.30	1.27	1.77	0.96	2.50	1.21	0.52	0.05	1.49	1.10	33.76
Year	1916	1923	1915	1917	1921	1913	1913	1925	1914	1924	1922	1928	1917
1929	2.86	3.74	4.07	8.77	4.23	2.90	1.13	2.29	3.26	4.36	3.06	3.19	43.86
1930	1.87	1.88	3.07	2.14	3.29	5.25	4.16	2.92	1.59	1.95	3.87	1.50	33.49
1931	1.71	1.79	3.58	2.45	8.02	4.98	5.72	4.16	2.25	2.83	1.58	3.31	42.38
1932	5.27	2.42	3.91	1.90	2.02	4.03	4.99	4.39	2.91	5.31	6.69	1.52	45.36
1933	2.34	2.74	5.16	4.57	2.22	2.76	3.47	9.98	8.16	3.11	1.41	3.68	49.60
1934	2.89	2.19	3.83	4.83	6.07	6.20	3.62	3.66	9.00	2.71	4.43	2.49	51.92
1935	3.58	2.83	2.31	2.32	1.71	5.36	4.69	0.82	3.31	1.44	5.73	1.21	35.31
1936	5.17	3.02	8.94	4.53	3.19	1.92	2.26	6.40	4.84	2.94	1.80	5.82	50.83
1937	5.62	2.89	3.74	3.64	5.04	6.01	2.43	10.55	5.97	6.99	4.36	3.11	60.35
1938	3.83	1.81	2.53	3.13	3.92	9.37	9.27	4.84	13.71	2.13	3.86	2.80	61.20
Av. 26 yrs.	3.16	2.84	3.55	3.64	3.65	4.29	4.52	4.79	4.29	3.39	3.76	2.84	44.72
1939	2.24	3.59	3.22	4.13	0.95	4.81	2.71	4.95	3.40	4.20	1.30	2.44	37.94
1940	1.95	2.55	4.93	4.77	7.10	4.33	2.80	3.33	2.75	1.67	4.91	2.50	43.59
1941	2.18	2.20	2.07	0.80	2.18	6.78	5.24	3.88	1.02	3.33	2.81	4.46	36.95

OTIS, MASS. (Otis Reservoir). Elevation, 1,430 feet.
Record January 1925 to December 1934 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	3.05	4.22	3.20	6.19	5.45	5.69	7.66	10.00	3.20	8.12	10.88	5.38	59.87
Year	1928	1926	1926	1928	1927	1928	1925	1928	1928	1927	1927	1927	1927
Min.	2.42	2.48	1.65	1.72	1.10	2.47	4.00	1.45	2.00	0.50	2.20	1.44	39.09
Year	1926	1925	1927	1927	1926	1926	1926	1925	1926	1928	1928	1928	1926
1929	4.33	4.12	2.64	7.40	3.30	2.05	0.73	2.40	2.92	5.08	3.09	2.90	40.96
1930	1.97	1.57	3.74	2.12	4.08	4.14	4.97	2.82	2.95	1.78	3.57	2.65	36.36
1931	2.48	2.69	4.46	2.75	8.18	4.87	3.43	4.42	2.65	2.83	1.90	4.06	44.72
1932	5.79	2.84	3.70	1.92	2.31	4.36	5.45	4.10	2.29	6.70	7.60	1.74	48.80
1933	2.67	2.38	5.35	6.35	2.60	2.85	3.05	9.00	9.20	2.65	1.16	2.91	50.17
1934	3.92	2.21	3.94	3.79	4.47	5.25	2.45	4.75	8.70	2.35	5.09	2.98	49.90
Av. 10 yrs.	3.15	2.85	3.46	3.77	3.66	4.03	4.36	5.24	4.00	3.87	4.37	2.90	45.66

PALMER, MASS. (Bondsville). Elevation, 400 feet.
Record April 1921 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.26	4.07	6.58	6.30	5.12	7.68	6.89	8.58	4.23	5.07	5.81	5.60	49.00
Year	1923	1926	1922	1924	1927	1922	1922	1927	1924	1923	1921	1927	1927
Min.	1.40	1.66	1.15	1.90	1.67	1.61	2.49	1.52	1.42	0.09	1.53	0.94	33.67
Year	1928	1923	1924	1922	1923	1926	1923	1925	1926	1924	1922	1928	1924
1929	3.65	2.67	3.34	6.23	4.11	2.42	0.55	3.69	4.03	2.08	2.89	3.83	39.49
1930	2.05	2.16	2.86	1.27	3.61	3.20	3.26	0.94	2.71	2.01	2.37	1.22	27.66
1931	2.56	1.80	3.29	2.10	5.91	4.04	2.78	4.52	2.30	2.45	1.09	3.89	36.73
1932	4.15	2.42	4.19	1.99	1.58	2.95	2.98	4.22	3.20	3.45	3.67	1.81	36.61
1933	2.13	4.00	4.77	5.40	2.44	2.04	1.62	4.58	7.48	2.98	1.26	3.92	42.62
1934	3.12	3.18	2.89	3.67	4.22	4.43	2.90	3.36	7.02	2.39	2.98	2.62	42.78
1935	5.14	1.83	1.72	2.99	2.20	4.00	2.39	0.47	3.34	0.88	3.44	0.96	29.36
1936	5.69	1.61	7.22	3.68	3.55	3.50	1.66	3.16	3.25	2.19	1.54	5.83*	42.88
1937	4.65	2.01	3.25	3.45	4.96	5.56	5.12	5.34	4.22	3.83	5.35	2.99	50.73
1938	3.84	2.84	2.47	2.93	3.68	6.30	8.59	4.07	14.18	1.98	2.87	2.74	56.49
Av. 17 yrs.	3.39	2.63	3.42	3.37	3.25	3.95	3.56	3.82	4.12	2.68	3.06	3.05	40.30
1939	2.70	3.42	4.04	4.04	1.35	3.28	1.42	4.17	2.36	5.58	1.05	3.93	37.34
1940	1.95	3.57	4.79	5.81	5.07	2.22	3.75	1.88	2.20	1.09	6.44	2.45	41.22
1941	2.29	1.87	1.91	0.67	1.65	3.82	4.56	3.26	0.87	2.26*	2.69*	3.20*	29.05

*Interpolated.

PEABODY, MASS. (Water Works Pumping Station). Elevation, 75 feet.
Record January 1903 to December 1916—June 1933 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.18	5.27	6.11	9.59	5.37	9.06	8.24	7.37	7.52	6.26	7.08	4.70	46.08
Year	1915	1909	1903	1904	1912	1903	1915	1915	1905	1913	1907	1906	1909
Min.	1.68	1.28	0.01	2.35	0.26	0.24	0.89	1.37	0.35	0.96	1.18	1.56	33.99
Year	1916	1905	1915	1908	1903	1912	1905	1910	1914	1916	1903	1910	1910
1933	—	—	—	—	—	1.26	2.35	2.76	10.03	4.06	1.04	2.88	—
1934	4.68	3.94	6.13	2.69	2.18	4.01	1.62	1.72	6.43	3.70	2.81	2.61	42.52
1935	6.54	3.37	1.66	4.94	1.62	5.87	2.22	2.04	3.56	0.43	4.73	1.20	38.18
1936	7.85	3.05	6.61	3.32	1.80	2.12	1.74	5.00	5.33	1.43	1.42	9.61	49.28
1937	4.57	1.14	3.58	5.61	3.24	3.79	1.18	4.44	4.61	4.38	4.74	5.39	46.67
1938	4.18	2.53	2.58	2.92	4.41	6.29	10.15	2.24	6.64	2.34	2.82	3.10	50.20
Av. 18 yrs.	4.23	3.39	3.63	4.30	3.00	4.06	3.69	3.37	3.77	2.79	3.37	3.84	43.44
1939	1.82	3.87	4.78	4.66	2.06	2.37	0.65	1.58	1.38	4.60	1.14	2.81	31.72
1940	2.07	3.20	3.77	4.93	4.26	1.68	3.19	0.61	3.79	0.83	6.37	2.53	37.23
1941	3.58	1.47	2.05	1.71	1.67	2.58	3.20	2.52	0.41	1.78	2.96	3.88	27.81

PEABODY, MASS. (Danvers Bleachery). Elevation, 40 feet.
Record January 1919 to December 1928 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	10.20	7.66	4.87	6.48	5.75	9.87	10.32	7.48	7.00	5.40	7.97	6.20	55.18
Year	1923	1920	1920	1920	1922	1922	1921	1924	1919	1925	1921	1923	1920
Min.	2.02	2.15	1.35	1.31	1.70	1.12	1.50	1.53	0.50	0.62	1.35	1.70	37.35
Year	1928	1925	1927	1927	1925	1919	1924	1920	1923	1924	1922	1924	1926
Av. 10 yrs.	4.01	4.20	3.37	3.72	3.58	3.96	3.72	3.88	3.47	2.85	4.36	4.16	45.28

PEABODY, MASS. (Suntaug Lake). Elevation, 110 feet.
Record October 1925 to August 1931 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1925	—	—	—	—	—	—	—	—	—	5.78	4.19	7.14	—
1926	2.73	5.25	3.09	2.11	2.61	2.13	3.12	3.64	1.56	4.88	4.18	3.22	38.46
1927	2.64	3.55	1.37	1.96	2.89	2.74	3.58	6.86	2.94	4.41	5.39	5.27	43.60
1928	2.22	3.32	1.69	6.20	3.45	7.14	3.73	3.48	5.64	3.35	2.82	2.94	45.98
1929	3.44	3.63	3.35	9.55	3.67	3.13	1.94	3.66	1.71	2.73	3.25	4.53	44.59
1930	2.72	2.25	3.43	1.80	4.18	2.82	5.30	3.34	0.96	5.21	5.36	2.50	39.87
1931	3.79	3.60	5.21	3.64	4.65	9.28	3.20	4.62	—	—	—	—	—
Av. 5 yrs.	2.75	3.60	2.59	4.32	3.36	3.59	3.53	4.20	2.55	4.12	4.20	3.69	42.50

PEABODY, MASS. (Water Works Shop). Elevation, 40 feet.
Record July 1927 to April 1933 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1927	—	—	—	—	—	—	2.91	7.24	3.20	3.63	5.06	6.45	—
1928	1.98	3.30	1.61	4.97	3.56	6.33	3.66	2.68	4.11	3.05	2.11	2.94	40.30
1929	3.10	3.38	2.15	7.41	3.20	1.84	2.20	2.82	1.95	2.26	3.06	4.38	37.75
1930	2.99	2.38	2.94	1.77	3.34	2.82	5.12	2.65	1.13	4.68	5.33	2.70	37.85
1931	3.77	3.42	6.00	2.87	4.37	7.89	2.45	3.58	1.79	2.63	1.11	3.59	43.47
1932	5.50	2.17	5.23	1.52	1.24	2.19	2.41	2.98	5.99	6.60	5.11	1.36	42.30
1933	2.76	4.17	7.60	7.76	—	—	—	—	—	—	—	—	—
Av. 5 yrs.	3.47	2.93	3.59	3.71	3.14	4.21	3.17	2.94	2.99	3.84	3.34	3.00	40.33

PELHAM, MASS. (Packardville). Elevation, 830 feet.
Record October 1919 to October 1936 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.80	4.91	6.77	9.70	5.23	10.25	8.48	8.04	6.97	5.97	7.96	7.06	57.14
Year	1923	1926	1922	1921	1921	1922	1927	1928	1920	1923	1927	1920	1920
Min.	1.86	2.24	1.34	1.94	1.86	1.80	2.05	1.96	1.45	0.15	1.66	1.01	34.97
Year	1922	1923	1924	1927	1926	1924	1923	1925	1926	1924	1922	1928	1924
1929	4.02	2.92	2.84	6.23	4.48	2.42	0.97	1.40	6.32	3.03	3.25	3.52	41.40
1930	1.99	1.76	3.14	0.98	3.85	3.87	5.41	1.61	3.07	2.57	3.88	1.47	33.60
1931	2.76	1.71	3.80	3.12	7.67	5.93	3.54	6.70	2.82	2.91	1.44	3.50	45.90
1932	3.80	1.99	3.36	2.95	1.81	3.13	3.97	4.59	6.07	4.33	4.93	1.68	42.61
1933	1.28	3.33	4.54	5.66	2.63	3.11	2.48	7.53	11.54	4.61	1.37	2.80	50.88
1934	3.05	2.20	3.58	4.53	5.21	6.25	3.16	3.70	10.71	3.36	5.51	2.75	54.01
1935	4.14	2.43	1.84	2.79	2.60	6.18	2.89	0.94	5.33	1.50	4.36	1.03	36.03
1936	5.98	2.36	7.53	4.84	3.09	4.46	2.38	4.86	5.87	2.96	——	——	——
Av. 16 yrs.	3.18	2.96	3.43	4.18	3.80	4.63	4.25	4.19	4.75	3.29	4.28	3.19	46.13

PELHAM, MASS. (West Pelham). Elevation, 910 feet.
Record November 1936 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1936	——	——	——	——	——	——	——	——	——	——	2.21	4.81	——
1937	5.12	2.19	3.60	4.70	5.52	6.63	3.56	7.44	4.87	5.43	5.73	3.04	57.83
1938	4.68	2.05	2.01	3.04	4.68	8.41	9.08	4.11	13.64	2.77	3.13	3.63	61.23
1939	2.70	3.80	4.67	5.23	1.70	4.15	2.35	4.20	2.98	5.29	1.26	3.61	41.94
1940	2.57	2.93	5.09	5.96	5.48	3.07	3.98	2.17	2.00	1.61	6.96	2.57	44.39
1941	2.54	1.83	2.14	0.90	3.33	6.43	6.58	3.78	1.27	2.38	2.93	4.22	38.33

PELHAM, MASS. (Pelham Hollow). Elevation, 550 feet.
Record October 1919 to April 1923 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.43	4.37	6.07	9.85	5.22	12.36	8.59	5.67	7.15	3.81	6.80	6.69	56.11
Year	1923	1920	1922	1921	1922	1922	1921	1920	1920	1922	1919	1920	1920
Min.	1.52	1.98	2.37	1.47	3.44	4.22	4.47	3.57	2.56	1.16	1.91	2.24	49.30
Year	1922	1923	1923	1922	1920	1921	1920	1921	1922	1920	1922	1919	1922
Av. 3 yrs.	1.90	3.27	4.26	5.77	4.05	7.85	5.91	4.34	4.17	2.44	4.12	4.26	52.34

PEMBROKE, MASS. (Brockton Water Works Pumping Station). Elevation, 65 feet.
Record January 1916 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.56	5.46	5.18	6.82	4.98	7.73	10.33	10.95	7.21	5.89	7.79	5.66	54.43
Year	1923	1920	1922	1921	1917	1920	1921	1922	1919	1926	1921	1925	1919
Min.	1.36	1.57	1.52	1.63	1.25	1.86	1.17	1.49	1.12	0.15	0.24	2.18	33.46
Year	1916	1924	1928	1922	1918	1924	1924	1925	1926	1924	1917	1924	1924
1929	3.28	3.46	3.85	7.83	3.28	0.88	3.00	2.72	3.17	2.18	3.57	5.51	42.73
1930	2.93	3.52	2.62	1.68	2.38	3.21	2.58	2.42	0.40	3.83	4.19	3.26	33.02
1931	2.78	2.64	5.37	3.13	5.08	7.71	4.95	4.64	2.48	3.11	1.06	3.10	46.05
1932	6.17	2.01	6.24	1.13	1.82	2.70	1.38	7.71	5.09	6.91	6.47	1.77	49.40
1933	2.39	2.79	5.33	8.41	2.05	2.38	2.76	2.53	12.88	3.82	1.42	3.33	50.09
1934	4.17	3.54	3.94	3.25	2.49	3.87	0.49	2.52	2.67	4.31	3.16	2.72	37.13
1935	5.49	2.91	1.81	7.65	2.00	4.49	3.01	2.11	3.48	1.55	7.64	1.28	43.42
1936	6.78	2.07	6.12	3.29	1.36	3.42	3.08	4.92	8.98	1.80	1.21	9.63	52.66
1937	4.07	1.13	3.43	4.74	2.28	3.35	1.11	6.84	4.79	4.09	4.70	3.65	44.18
1938	3.28	2.87	2.50	2.60	3.19	9.57	7.81	1.67	6.03	2.74	2.32	3.31	47.89
Av. 23 yrs.	3.61	2.85	3.79	4.12	2.93	4.03	3.95	4.25	3.94	3.17	3.39	3.64	43.67
1939	2.59	3.88	5.39	4.53	1.33	3.38	0.86	4.21	1.98	5.56	1.86	2.30	37.87
1940	2.00	5.41	3.34	7.62	5.02	1.69	4.17	1.70	3.79	1.86	6.62	2.32	45.54
1941	3.38	1.84	2.24	2.71	2.76	4.12	3.89	2.37	0.25	1.87	1.75	2.68	29.86

PEPPERELL, MASS. (East Pepperell). Elevation, 225 feet.
Record August 1935 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1935	———	———	———	———	———	———	———	1.19	6.09	0.73	5.09	1.21	———
1936	8.49	3.17	8.07	3.56	3.98	3.02	2.07	4.22	3.39	2.51	1.44	7.47	51.39
1937	4.69	2.36	3.79	5.58	4.21	5.55	2.37	3.00	3.76	4.13	6.69	4.10	50.23
1938	3.62	2.07	2.18	2.87	3.59	7.25	12.73	3.51	8.62	2.23	3.00	3.24	54.91
1939	2.67	3.55	5.06	4.48	1.31	2.40	2.87	2.55	1.79	4.32	1.02	2.19	34.21
1940	2.67	5.41	3.40	6.04	6.18	1.95	4.52	1.34	2.80	0.89	6.73	2.70	44.63
1941	3.49	2.22	2.34	0.78	3.14	2.05	4.07	3.28	0.59	2.62	2.91	3.35	30.84

PERU, MASS. Elevation, 1,700 feet.
Record January 1913 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.96	6.39	7.23	8.33	7.29	8.34	10.91	8.12	7.91	7.46	10.24	7.04	56.07
Year	1923	1920	1922	1924	1919	1922	1915	1928	1924	1927	1927	1915	1927
Min.	1.71	2.05	0.22	1.42	1.44	0.62	1.84	1.90	0.44	0.05	0.63	1.80	35.18
Year	1914	1923	1913	1917	1926	1913	1918	1913	1914	1924	1917	1913	1914
1929	3.11	5.20	3.22	7.83	2.69	2.10	1.18	1.91	3.92	3.30	3.89	3.46	41.81
1930	2.50	1.68	5.14	1.85	3.61	4.48	5.89	3.04	1.12	1.51	3.63	1.60	36.05
1931	2.43	2.94	4.96	2.07	6.27	4.97	5.02	3.29	2.92	2.40	1.13	2.64	41.04
1932	4.47	1.92	4.39	2.15	2.29	2.07	4.22	3.83	2.78	6.15	5.36	2.15	41.78
1933	2.45	3.33	5.32	4.68	2.97	3.36	6.37	7.63	9.19	2.78	1.27	3.05	52.40
1934	3.48	3.05	2.50	2.30	4.10	6.90	3.91	3.74	9.69	2.62	4.88	3.27	50.44
1935	4.21	4.35	2.39	2.59	2.89	5.54	3.93	1.90	4.32	2.00	6.14	1.61	41.87
1936	5.76	2.29	10.32	4.83	3.78	1.53	1.94	5.49	3.87	3.43	2.54	5.65	51.43
1937	5.48	3.89	4.79	3.94	4.94	6.51	2.25	6.08	6.40	7.47	5.55	3.00	60.30
1938	4.44	2.03	2.23	2.63	3.73	7.38	8.46	3.76	12.36	2.11	3.72	4.31	57.16
Av. 26 yrs.	3.41	3.32	3.98	3.62	3.50	4.13	4.73	4.14	4.57	3.33	4.11	3.16	46.00
1939	3.47	3.85	3.94	6.35	2.25	3.53	1.73	4.72	4.54	4.88	1.90	3.06	44.22
1940	2.83	3.92	6.88	5.54	6.06	3.40	3.04	2.69	2.64	1.17	5.00	2.90	46.07
1941	2.69	2.79	2.50	1.17	3.70	3.15	4.22	5.15	1.73	2.70	2.06	4.29	36.15

PETERSHAM, MASS. Elevation, 1,100 feet.
Record January 1916 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.47	7.44	5.17	5.88	5.96	11.17	6.95	6.53	7.50	5.84	6.62	6.35	51.82
Year	1923	1920	1919	1924	1919	1922	1916	1928	1918	1917	1919	1920	1920
Min.	1.36	1.81	1.13	1.74	1.69	1.71	1.80	2.43	0.78	0.00	1.25	1.51	35.79
Year	1916	1923	1927	1927	1923	1924	1917	1926	1917	1924	1917	1917	1924
1929	4.53	3.63	4.21	6.03	3.28	4.62	1.21	1.62	3.25	1.73	2.55	3.55	40.21
1930	2.87	1.69	3.45	1.70	3.21	3.32	4.49	1.42	1.86	2.35	3.55	2.24	32.15
1931	2.83	2.39	4.23	2.73	5.01	3.62	2.50	5.89	1.84	3.86	1.37	3.82	40.09
1932	5.34	2.96	5.41	1.93	2.36	1.48	4.91	3.24	4.24	5.00	4.29	2.21	43.37
1933	3.08	3.99	5.49	7.69	2.37	1.97	2.51	7.38	10.06	4.93	1.77	4.22	55.46
1934	3.81	4.73	3.66	3.94	3.69	4.97	2.65	2.63	8.61	2.42	4.54	2.83	48.48
1935	7.09	3.43	2.23	4.12	2.32	5.64	2.08	1.49	4.70	1.11	5.04	1.04	40.29
1936	7.51	3.41	9.35	4.04	2.40	3.40	2.43	5.63	4.31	3.04	2.40	6.91	54.83
1937	5.36	2.14	3.60	4.37	4.58	6.15	3.81	3.60	4.71	4.37	6.40	2.67	51.76
1938	4.57	2.39	2.12	3.05	4.05	7.43	8.19	3.29	15.78	2.17	3.97	3.73	60.74
Av. 23 yrs.	3.82	3.22	3.52	3.63	3.20	4.34	3.92	3.96	4.85	3.12	3.83	3.30	44.71
1939	3.18	5.15	4.49	4.70	2.06	2.72	0.97	2.66	2.01	4.58	0.99	4.20	37.71
1940	1.90	4.21	5.57	6.86	5.82	2.47	4.09	2.09	2.54	1.25	6.96	3.34	47.10
1941	3.13	2.12	2.48	0.87	2.22	3.61	4.18	3.09	0.89	2.12	3.43	2.94	31.08

PHILLIPSTON, MASS. Elevation, 1,190 feet.
Record January 1914 to December 1941 inclusive except January-September 1920.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	4.55	3.98	5.21	7.02	6.31	12.74	9.94	6.96	6.98	5.52	8.65	5.69	49.76
Year	1923	1915	1922	1921	1919	1922	1915	1927	1918	1926	1927	1927	1922
Min.	0.00	0.23	0.42	1.38	1.51	1.34	1.73	0.79	0.37	0.01	1.22	0.89	27.71
Year	1919	1919	1918	1927	1926	1919	1914	1918	1914	1924	1917	1916	1914
1929	4.02	4.03	3.34	5.27	4.76	5.20	1.14	1.42	1.96	1.80	2.47	2.91	38.32
1930	2.16	1.80	3.59	1.21	2.56	2.65	4.77	0.98	2.29	2.21	3.58	1.19	28.99
1931	1.71	2.24	3.81	2.84	4.52	3.81	2.41	5.62	2.47	3.70	1.41	4.35	38.89
1932	4.00	1.68	5.22	1.97	1.92	1.98	5.12	3.29	5.39	4.36	4.44	1.61	40.98
1933	2.37	3.61	4.79	5.65	2.54	2.21	2.70	6.44	8.57	4.62	1.63	3.06	48.19
1934	3.12	2.18	3.57	3.99	3.14	5.34	3.99	2.43	7.92	2.51	4.28	3.61	46.08
1935	5.77	2.71	1.71	2.39	2.62	5.15	2.67	1.47	4.34	1.11	4.12	0.80	34.86
1936	6.42	2.29	8.73	4.24	2.45	3.08	2.66	6.74	4.56	3.09	2.14	6.68	53.08
1937	5.22	1.88	3.32	4.12	4.38	8.66	3.41	3.84	4.60	4.40	5.73	2.12	51.68
1938	4.28	1.81	1.83	2.71	3.00	7.81	8.11	5.39	16.57	2.47	2.94	3.12	60.04
Av. 24 yrs.	2.82	2.28	3.15	3.36	3.10	4.43	4.36	3.74	4.24	2.98	3.65	2.83	40.94
1939	2.62	3.37	3.59	4.47	1.65	2.73	1.18	3.26	2.10	3.87	0.87	3.62	33.33
1940	1.80	2.29	5.01	5.64	6.03	3.02	3.29	1.71	2.52	1.30	6.29	3.06	41.96
1941	2.22	1.79	0.86	0.87	2.30	3.68	3.68	3.28	0.83	2.34	3.05	2.67	27.57

PITTSFIELD, MASS. (City Hall). Elevation, 1,050 feet.
Record March 1894 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.25	6.80	6.55	6.07	6.91	11.38	12.19	9.26	7.90	8.04	10.44	7.82	58.13
Year	1923	1900	1899	1914	1919	1903	1897	1898	1907	1898	1927	1915	1898
Min.	1.13	0.78	0.25	1.13	0.66	1.06	1.76	1.28	0.50	0.06	0.45	1.00	30.89
Year	1896	1901	1915	1915	1911	1913	1909	1894	1914	1924	1917	1928	1908
1929	2.80	3.13	3.84	6.30	2.67	3.07	0.48	1.49	3.43	1.64	2.31	3.18	34.34
1930	2.23	1.88	3.74	1.49	3.56	3.13	5.07	1.96	1.80	1.26	3.35	0.99	30.46
1931	2.52	1.27	2.41	2.14	5.44	4.27	7.68	4.21	4.45	2.30	2.00	3.79	42.48
1932	5.32	1.59	4.62	2.20	1.62	2.83	4.36	4.31	2.37	3.32	6.27	2.03	40.84
1933	2.19	3.23	4.75	3.86	1.64	1.43	1.88	6.52	8.18	3.09	1.51	3.44	41.72
1934	2.49	2.50	3.18	3.22	2.97	5.40	5.00	2.19	6.23	1.83	4.62	2.77	42.40
1935	4.27	2.28	1.79	2.23	2.26	4.62	4.66	1.37	4.03	2.04	4.58	1.13	35.26
1936	4.62	1.66	5.88	4.76	2.82	2.40	2.55	7.33	2.81	3.01	2.80	3.84	44.48
1937	5.06	2.07	3.13	2.53	3.86	5.90	1.15	7.11	5.08	4.43	2.48	2.85	45.65
1938	2.97	1.58	0.82	1.88	2.44	5.75	8.94	4.27	10.50	1.82	2.82	2.68	46.47
Av. 44 yrs.	3.05	2.76	3.52	3.09	3.07	3.90	4.30	4.24	3.99	3.09	3.27	3.12	41.40
1939	4.13	1.90	1.93	5.25	1.37	3.19	1.35	2.99	4.90	4.29	1.22	2.07	34.59
1940	1.39	2.42	3.42	2.75	4.27	3.40	2.92	3.01	2.57	0.90	4.97	3.00	35.02
1941	1.87	1.92	1.49	0.63	2.59	3.17	6.24	5.77	1.21	2.90	1.48	3.25	32.52

PITTSFIELD, MASS. (Farnham Reservoir). Elevation, 1,600 feet.
Record January 1917 to December 1920 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	3.14	5.73	4.65	2.86	5.25	4.81	3.00	4.03	6.37	6.42	5.05	3.73	39.31
Year	1918	1920	1919	1918	1919	1917	1917	1920	1918	1917	1919	1920	1920
Min.	2.25	1.72	3.20	1.25	0.71	1.19	1.92	2.03	0.70	1.85	0.55	2.14	34.82
Year	1920	1918	1918	1919	1920	1919	1920	1917	1917	1918	1917	1919	1917
Av. 4 yrs.	2.66	3.00	3.99	2.21	3.27	3.05	2.95	2.82	3.49	3.48	3.24	2.97	37.13

PLAINFIELD, MASS. Elevation, 1,650 feet.
Record October 1919 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.18	4.46	6.55	6.24	6.44	8.39	11.15	7.54	9.06	7.19	10.24	5.90	56.10
Year	1923	1920	1922	1920	1922	1928	1925	1928	1924	1923	1927	1927	1920
Min.	1.74	2.20	1.05	1.73	1.48	1.77	2.83	2.38	2.36	0.04	1.74	1.12	39.20
Year	1921	1924	1924	1927	1926	1924	1922	1925	1927	1924	1922	1928	1926
1929	3.70	3.34	3.57	6.97	3.37	2.52	0.74	2.10	2.78	4.56	2.72	2.69	39.06
1930	2.49	1.38	4.98	1.62	3.92	5.62	5.20	3.11	2.06	2.37	3.88	1.16	37.79
1931	2.49	1.69	3.84	2.35	8.01	5.42	6.57	3.05	2.62	2.82	1.90	3.43	44.19
1932	4.75	2.32	3.88	2.14	1.77	2.17	4.60	5.34	2.24	7.81	8.08	1.89	46.99
1933	2.48	3.30	4.98	4.81	2.14	2.47	4.82	9.60	8.23	3.55	1.04	2.92	50.34
1934	3.43	2.16	3.16	4.31	3.83	6.54	5.67	3.61	9.94	2.91	4.62	3.17	53.35
1935	5.19	2.37	1.86	1.83	3.12	6.90	4.23	1.08	5.37	1.45	6.87	1.29	41.56
1936	4.60	2.48	9.66	4.38	1.42	1.95	3.30	5.68	3.07	4.08	3.01	6.44	50.07
1937	6.03	3.83	4.38	4.38	8.07	5.70	2.99	3.76	6.31	7.96	5.42	2.19	61.02
1938	4.43	1.52	2.74	2.16	4.10	6.70	7.98	2.28	12.24	2.36	2.44	3.52	52.47
Av. 19 yrs.	3.43	2.73	3.89	3.67	3.92	4.83	4.69	3.97	5.02	3.71	4.49	2.98	47.33
1939	2.81	3.41	3.62	5.54	2.60	3.75	1.58	4.15	4.00	4.36	1.48	2.91	40.21
1940	2.33	2.68	6.40	4.64	7.08	3.73	3.36	2.29	2.15	1.30	5.43	2.89	44.28
1941	2.07	2.63	1.07	0.84	3.85	3.48	4.87	5.39	1.51	3.53	3.10	3.88	36.22

PLYMOUTH, MASS. (U. S. Weather Bureau 1887-1897) (Water Works 1898-1941).
Elevation, 70 feet.
Record January 1887 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	10.35	9.02	10.14	9.11	8.54	8.01	9.07	11.36	11.16	11.08	9.10	10.20	58.40
Year	1915	1920	1890	1904	1901	1905	1916	1927	1907	1913	1921	1901	1898
Min.	1.46	0.87	0.09	0.88	0.53	0.39	1.10	1.17	1.03	0.16	0.60	1.30	34.44
Year	1916	1895	1915	1896	1918	1912	1907	1899	1926	1924	1917	1889	1918
1929	3.50	4.47	4.19	8.39	3.17	1.19	2.89	2.61	4.11	2.71	3.49	5.61	46.33
1930	3.75	4.33	2.47	1.34	2.92	2.83	2.86	2.65	0.32	4.18	4.44	3.79	35.88
1931	3.85	3.38	7.96	3.98	5.41	8.31	3.27	5.56	2.42	4.31	0.81	3.32	52.58
1932	7.11	3.21	6.11	1.74	2.40	2.89	2.01	5.62	6.16	5.66	6.86	2.62	52.39
1933	2.49	3.51	7.54	9.01	1.76	1.85	4.47	3.36	13.90	4.42	2.71	5.17	60.19
1934	4.31	4.41	4.58	3.51	2.06	3.83	0.80	1.81	2.49	4.24	2.29	3.41	37.74
1935	5.72	1.89	1.90	6.42	1.71	5.15	4.10	1.61	4.34	1.93	8.31	1.70	44.78
1936	8.36	2.45	6.69	3.44	1.52	5.65	2.39	6.12	9.05	2.13	1.37	9.80	58.97
1937	4.11	1.15	3.99	4.88	2.35	2.50	0.82	3.67	6.30	3.97	5.50	4.10	43.34
1938	4.10	3.88	2.84	3.01	3.59	8.68	3.67	2.92	5.85	2.93	4.10	2.80	47.87
Av. 52 yrs.	4.36	4.00	4.52	4.27	3.21	3.29	3.31	3.78	3.70	3.93	3.97	4.15	46.49
1939	3.97	4.70	7.29	5.74	1.91	3.77	0.79	4.10	2.23	4.66	2.37	2.65	44.18
1940	2.33	6.81	4.28	7.24	5.70	1.38	3.60	0.74	5.03	1.80	6.53	2.49	47.93
1941	5.07	2.40	3.41	2.58	2.66	4.39	4.28	3.85	0.16	2.50	1.87	3.60	36.77

PLYMOUTH, MASS. (Weather Bureau). Elevation, 50 feet.
Record June 1886-December 1898; January 1905-December 1919; Year 1920; January 1922-December 1941.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	9.38	6.96	10.14	6.72	6.68	8.65	9.00	11.63	10.38	10.01	8.52	6.66	52.46
Year	1915	1926	1890	1913	1917	1905	1916	1922	1907	1913	1898	1886	1890
Min.	1.58	1.53	0.08	0.88	0.58	0.24	0.71	1.46	1.00	0.19	0.57	1.30	34.19
Year	1916	1925	1915	1896	1918	1912	1886	1907	1910	1924	1917	1889	1918
1929	3.74	4.65	4.20	7.59	3.53	1.01	3.32	2.67	4.11	2.72	3.68	5.62	46.84
1930	3.66	4.13	2.58	1.35	3.02	2.84	2.76	3.41	0.35	4.27	4.60	3.76	36.73
1931	3.67	3.34	7.62	4.10	5.47	8.34	3.57	5.58	2.55	4.23	0.88	3.47	52.82
1932	7.01	3.11	6.19	1.66	2.40	3.73	1.93	5.58	5.81	5.93	6.85	2.64	52.84
1933	2.78	3.90	6.59	9.01	1.76	1.85	4.66	4.26	15.08	4.39	2.83	4.71	61.82
1934	4.25	4.08	4.61	3.67	2.38	3.99	0.75	2.09	2.64	4.01	2.57	3.60	38.64
1935	5.63	2.46	2.08	6.19	1.94	5.29	4.18	1.69	4.25	1.93	8.35	1.76	45.75
1936	8.31	2.37	7.02	3.68	1.77	5.71	2.82	5.95	7.98	2.84	1.59	10.27	60.31
1937	4.34	1.37	4.23	5.04	2.49	2.86	0.95	3.63	6.37	3.97	5.50	4.10	44.85
1938	4.10	3.38	2.80	3.04	3.87	9.40	5.47	1.62	7.18	2.94	3.52	2.69	50.01
Av. 44 yrs.	4.17	3.84	4.32	4.07	3.10	3.36	3.30	3.92	3.78	3.83	3.89	3.96	45.54
1939	4.47	3.79	8.52	5.75	1.77	4.09	1.50	2.74	1.87	5.83	1.85	2.20	44.38
1940	2.45	7.47	4.76	7.82	6.56	2.41	3.72	1.35	3.61	1.92	6.56	2.42	51.05
1941	4.87	1.90	3.61	2.87	4.01	4.88	5.44	2.00	0.87	2.96	2.31	3.24	38.96

PRESCOTT, MASS. Elevation, 1,000 feet.
Record January 1916 to March 1938 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.56	5.03	6.84	9.22	5.88	12.12	6.42	8.74	7.56	6.13	8.75	6.45	52.72
Year	1923	1926	1922	1921	1919	1922	1921	1928	1920	1926	1927	1920	1920
Min.	1.22	1.44	1.08	1.07	0.94	1.60	0.92	1.57	1.35	0.00	1.79	1.09	31.32
Year	1922	1924	1924	1917	1918	1924	1918	1925	1917	1924	1922	1919	1924
1929	4.98	3.46	3.08	6.36	4.80	2.72	0.72	1.54	3.67	2.80	3.53	4.39	42.05
1930	2.52	2.11	3.92	1.05	3.63	4.36	5.56	1.51	2.87	2.07	3.58	1.05	34.23
1931	3.11	1.48	3.76	2.89	7.20	4.96	3.21	6.71	2.45	2.18	1.43	3.53	42.91
1932	4.17	1.78	4.12	2.48	1.78	2.94	4.60	4.69	5.80	3.75	4.50	1.68	42.29
1933	1.96	2.99	4.66	5.78	2.16	3.38	2.07	6.74	11.51	4.51	1.39	3.36	50.51
1934	3.36	2.03	3.28	3.31	4.87	5.21	4.01	3.28	9.51	2.86	4.09	2.64	48.45
1935	4.40	2.53	1.62	3.13	2.47	5.92	2.46	1.08	5.22	1.18	4.18	0.81	35.00
1936	6.26	2.72	8.31	4.08	2.40	4.02	2.09	4.48	5.60	2.93	1.84	6.03	50.76
1937	5.78	2.06	2.94	4.00	4.57	6.73	2.47	5.51	6.90	5.23	7.27	2.92	56.38
1938	4.88	2.34	2.55										
Av. 22 yrs.	3.35	2.80	3.66	3.82	3.48	4.79	3.77	4.08	4.78	3.07	3.98	3.10	44.68

PRINCETON, MASS. Elevation, 1,125 feet.
Record November 1884-October 1892—January 1897 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.35	8.59	6.55	9.84	6.85	10.08	10.00	9.96	9.45	10.04	7.43	9.59	56.29
Year	1885	1900	1899	1901	1901	1903	1897	1898	1907	1890	1897	1884	1888
Min.	1.54	0.98	0.07	0.64	1.16	0.67	0.84	1.00	0.11	0.14	0.89	1.09	32.80
Year	1916	1901	1915	1892	1918	1913	1917	1907	1914	1924	1908	1917	1917
1929	5.42	4.31	3.32	5.57	4.52	2.07	0.71	1.42	1.57	3.01	3.17	3.04	38.13
1930	1.87	2.25	3.43	2.05	2.86	3.58	6.07	1.81	1.59	2.68	3.72	2.69	34.60
1931	3.13	2.84	4.22	2.80	5.20	5.96	3.44	7.80	1.74	2.53	1.54	3.37	44.57
1932	5.18	3.25	4.50	2.10	1.54	2.12	4.16	3.55	6.63	7.15	5.23	2.04	47.45
1933	3.14	4.44	5.61	5.82	2.57	1.25	2.49	5.06	11.05	3.61	1.68	3.83	50.55
1934	3.83	4.53	4.29	4.46	4.00	5.12	1.59	2.61	9.34	2.78	2.44	4.37	49.36
1935	6.91	3.57	2.35	4.92	2.37	5.71	2.87	1.66	4.63	0.86	4.29	0.98	41.12
1936	8.77	2.61	10.89	3.81	2.87	3.39	1.79	5.05	4.73	3.11	1.66	8.19	56.87
1937	5.08	2.53	3.36	5.94	3.83	4.43	2.04	4.16	3.46	4.43	8.93	3.56	51.75
1938	5.45	2.74	2.66	3.07	3.52	7.29	10.75	2.91	11.33	2.44	3.31	3.07	58.54
Av. 49 yrs.	4.06	3.53	3.92	3.70	3.37	3.66	4.20	4.23	4.03	3.51	3.75	3.70	45.66
1939	3.57	4.42	5.08	4.58	2.39	2.99	0.94	4.13	2.41	4.27	1.01	3.42	39.21
1940	3.98	3.83	5.03	6.17	5.80	2.45	6.08	1.61	2.03	1.06	6.80	3.31	48.15
1941	2.99	2.61	2.40	0.71	2.51	3.45	5.10	3.16	0.78	2.23	3.32	3.38	32.64

PRINCETON, MASS. (Wachusett Mt. Summit). Elevation, 2,000 feet.
Records May-October inclusive for years 1913-1941.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	——	——	——	——	9.16	10.61	10.50	9.89	7.47	6.84	——	——	——
Year	——	——	——	——	1921	1922	1915	1921	1919	1913	——	——	——
Min.	——	——	——	——	1.63	1.38	1.08	1.99	0.11	0.09	——	——	——
Year	——	——	——	——	1915	1924	1917	1923	1914	1924	——	——	——
1929	——	——	——	4.25	5.10	2.53	1.44	1.91	1.93	3.27	——	——	——
1930	——	——	——	——	——	——	5.29	1.83	1.71	2.29	——	——	——
1931	——	——	——	——	5.74	7.06	3.43	7.60	2.39	2.69	——	——	——
1932	——	——	——	——	1.96	1.84	4.55	4.38	8.73	9.23	——	——	——
1933	——	——	——	——	2.67	1.95	4.01	6.10	12.81	4.49	——	——	——
1934	——	——	——	4.72	4.22	6.36	2.11	2.50	11.36	2.58	——	——	——
1935	——	——	——	——	2.97	6.35	5.81	1.10	5.02	1.72	——	——	——
1936	——	——	——	0.23*	2.75	3.59	2.06	5.78	5.45	3.97	——	——	——
1937	——	——	——	——	4.86*	5.68	1.54	5.80	4.40	3.87*	——	——	——
1938	——	——	——	3.05*	3.93	9.08	9.87	3.28	12.20	2.79	——	——	——
Average	——	——	——	——	4.02[a]	4.44[b]	4.19	4.44	4.84	3.34[c]	——	——	——
1939	——	——	——	2.16*	2.50	3.56	1.33	4.17	2.22	5.04	——	——	——
1940	——	——	——	——	6.62	2.28	5.97	2.06	2.06	1.18	——	——	——
1941	——	——	——	——	3.96	3.35	5.14	3.01	0.79	2.42	——	——	——

*Record incomplete.
[a]Except for the month in 1914, 1920, 1923, 1930 and 1937.
[b]Except for the month in 1923 and 1930.
[c]Except for the month in 1925, 1926 and 1937.

PROVINCETOWN, MASS. Elevation, 40 feet.
Record 72 months missing between March 1882 and July 1900; July 1900 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.19	7.34	6.96	8.31	10.49	7.72	8.65	9.35	7.63	7.89	6.13	7.62	47.74
Year	1915	1884	1890	1884	1901	1917	1916	1927	1907	1913	1921	1901	1901
Min.	1.30	0.67	T	0.57	0.27	0.55	0.46	0.10	0.65	0.30	0.45	0.93	30.44
Year	1916	1901	1915	1899	1911	1914	1894	1899	1921	1924	1917	1899	1918
1929	2.65	3.60	3.95	7.45	3.35	0.51	4.62	2.22	3.52	1.90	4.01	4.37	42.15
1930	3.35	4.13	4.37	1.48	2.48	2.93	2.40	1.63	0.77	3.02	5.39	4.95	36.90
1931	3.35	4.30	5.70	3.53	3.55	5.97	5.04	3.55	2.15	7.20	1.50	3.12	48.96
1932	6.21	2.01	4.06	1.64	1.56	1.82	1.27	4.15	4.76	5.62	5.01	2.70	40.81
1933	2.97	3.69	5.63	6.38	2.42	1.56	2.95	3.50	15.76	6.70	2.80	3.84	58.20
1934	3.35	4.05	2.32	4.61	1.75	2.18	0.24	0.92	2.59	4.47	1.91	2.10	30.49
1935	5.92	2.48	1.81	4.80	1.96	5.80	3.10	2.63	4.90	2.02	7.01	2.12	44.55
1936	5.96	2.74	5.29	2.67	2.20	3.31	1.54	5.45	8.20	3.42	1.52	6.94	49.24
1937	4.28	1.56	3.04	3.45	2.19	2.44	1.30	5.08	4.62	4.21	3.45	3.61	39.23
1938	3.58	3.29	3.40	3.51	3.94	8.20	3.23	0.46	4.55	2.64	3.62	2.83	43.25
Av. 45 yrs.	3.87	3.31	3.51	3.49	3.00	2.88	2.76	3.23	3.22	3.51	3.15	3.70	39.63
1939	3.28	3.59	7.56	3.33	2.67	2.96	0.66	1.45	3.26	3.42	1.77	1.83	35.78
1940	1.89	6.12	4.37	6.46	1.73	2.47	2.78	0.56	6.72	2.32	5.63	2.97	44.02
1941	6.11	2.11	3.11	3.48	2.76	3.61	3.26	1.97	0.65	2.33	1.16	2.22	32.77

QUINCY, MASS. (Wollaston). Elevation, 20 feet.
Record January 1913 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.00	6.55	5.52	6.08	5.29	9.57	9.78	8.65	8.17	6.88	6.90	5.62	48.76
Year	1923	1920	1922	1921	1922	1922	1921	1927	1918	1913	1921	1925	1920
Min.	1.35	1.94	T	1.59	1.06	1.08	1.77	0.78	0.28	0.13	1.08	1.22	37.35
Year	1916	1913 & 1925	1915	1922	1923	1926	1917	1925	1914	1924	1917	1919	1918
1929	3.79	3.66	3.07	8.57	4.14	4.28	1.09	1.92	1.76	3.14	2.98	4.34	42.74
1930	3.06	2.53	2.65	1.61	2.63	1.95	2.55	2.43	0.29	4.80	4.60	3.20	32.30
1931	3.52	3.80	5.02	3.50	4.71	8.10	3.10	6.41	2.63	2.20	0.88	3.50	47.37
1932	5.32	2.35	5.96	1.53	1.64	1.97	2.77	3.96	4.57	7.95	5.31	1.92	45.25
1933	2.16	4.50	6.81	6.75	3.67	1.84	2.57	5.55	10.79	3.54	0.89	4.60	53.67
1934	4.05	4.82	3.56	2.50	2.32	3.89	1.71	2.13	5.05	3.15	3.24	1.89	38.31
1935	7.73	3.21	1.48	6.70	1.63	6.77	1.44	2.74	2.51	0.58	5.70	1.24	41.73
1936	7.60	3.91	6.75	3.78	1.67	2.65	1.72	6.91	6.53	1.56	1.46	8.65	53.19
1937	4.30	1.20	3.63	5.13	2.57	3.12	0.64	5.13	5.56	4.41	5.26	4.27	45.22
1938	4.38	3.07	2.77	2.62	4.79	7.88	10.69	3.28	6.07	2.71	3.39	2.85	54.50
Av. 26 yrs.	3.84	3.44	3.68	3.98	3.03	3.77	3.69	4.17	3.72	3.11	3.25	3.61	43.29
1939	2.39	3.49	4.98	4.66	1.07	3.23	0.68	2.95	1.71	5.58	1.42	3.08	35.24
1940	2.25	5.39	4.17	5.59	4.03	2.26	3.98	1.63	3.07	1.03	7.01	2.90	43.31
1941	3.98	1.78	2.87	1.88	3.03	3.47	3.10	2.78	0.26	2.04	2.39	3.33	30.91

READING, MASS. (Water Works Pumping Station). Elevation, 80 feet.
Record January 1899 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.95	8.69	7.66	9.90	7.19	11.27	11.66	6.66	8.37	7.56	6.83	8.10	51.54
Year	1923	1900	1925	1904	1901	1922	1915	1915	1918	1913	1907	1901	1901
Min.	1.22	1.08	T	1.37	0.48	0.29	1.19	1.33	0.23	0.05	0.99	1.50	31.87
Year	1916	1901	1915	1922	1903	1912	1905 & 1917	1907	1914	1924	1902	1899	1910
1929	3.14	3.76	3.49	6.81	3.50	1.23	1.19	4.53	2.41	2.49	2.88	3.63	39.06
1930	2.48	2.05	3.29	1.90	3.38	2.19	4.07	2.77	0.79	4.45	3.69	2.20	33.26
1931	3.27	2.72	4.94	3.07	3.53	6.70	3.76	4.11	1.97	2.43	1.26	3.67	41.43
1932	3.92	1.90	4.83	2.01	1.17	1.81	2.04	5.09	7.24	7.26	5.25	1.29	43.81
1933	2.27	3.46	7.22	6.51	2.70	1.27	1.47	4.41	9.97	3.50	0.96	3.47	47.21
1934	3.17	3.29	5.13	3.09	2.52	4.00	1.25	1.73	6.43	3.89	2.03	2.70	39.23
1935	6.13	3.23	1.06	4.72	1.44	6.21	2.67	1.98	4.03	0.58	4.36	0.90	37.31
1936	6.60	3.09	7.23	3.01	2.05	2.73	1.75	4.49	4.15	1.59	1.37	8.24	46.30
1937	4.50	1.80	3.21	4.61	3.13	3.45	0.97	3.91	3.04	4.48	5.18	4.89	43.17
1938	4.08	2.07	2.11	3.12	3.51	7.18	11.42	2.19	8.33	2.93	1.86	2.85	51.65
Av. 40 yrs.	3.49	3.26	3.78	3.97	2.89	3.60	3.46	3.34	3.86	2.91	3.17	3.43	41.16
1939	2.08	3.48	4.00	4.47	2.02	2.77	0.73	3.13	2.45	4.66	0.77	2.92	33.48
1940	2.22	4.34	3.68	4.65	3.52	2.41	2.58	0.80	4.59	1.05	6.67	2.73	39.24
1941	3.16	1.88	2.51	1.87	2.24	2.09	3.66	3.05	0.58	2.13	2.38	4.08	29.63

ROCHESTER, MASS. (Quittacas Pumping Station, New Bedford Water Works).
Elevation, 60 feet.
Record, January 1895 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1895	3.46	1.07	3.60	4.57	4.24	2.11	3.11	2.49	1.47	6.38	4.41	3.12	40.03
1896	2.28	3.94	6.43	1.06	2.76	5.39	3.07	3.81	8.23	4.41	3.81	2.84	48.03
1897	4.50	2.70	2.96	3.88	5.31	2.70	3.79	5.80	1.29	1.18	7.71	4.29	46.11
1898	4.29	6.47	3.16	5.27	5.54	1.22	5.69	6.80	1.25	10.16	7.81	2.10	59.76
1899	6.27	6.83	8.25	1.90	1.63	3.91	2.94	2.24	7.27	2.22	2.21	1.77	47.44
1900	4.96	6.10	4.25	2.27	5.59	1.41	2.28	1.76	3.05	5.46	3.95	2.70	43.78
1901	2.36	1.05	7.78	6.65	8.47	1.92	3.45	2.75	3.09	2.85	1.99	9.52	51.88
1902	2.22	5.88	6.27	3.85	1.05	4.10	2.06	1.29	3.65	4.78	1.72	5.14	42.01
1903	4.14	6.26	8.13	5.77	0.91	4.84	2.12	3.75	1.19	4.64	2.71	3.84	48.30
1904	2.83	4.04	2.42	9.28	3.40	4.38	1.68	4.38	2.66	1.86	2.36	3.34	42.63
1905	2.71	2.31	2.46	1.99	1.95	7.76	2.76	3.84	5.80	2.14	2.64	4.47	40.83
1906	3.88	4.86	7.84	2.62	5.01	3.86	4.89	1.71	3.62	3.35	2.87	3.62	48.13
1907	3.31	2.56	1.74	3.47	4.17	2.04	2.10	1.62	7.43	3.29	5.62	5.92	43.27
1908	2.54	4.35	3.74	2.14	4.22	2.07	2.36	4.94	1.47	8.04	1.41	4.46	41.74
1909	4.38	5.92	4.08	6.51	3.02	1.96	1.11	2.23	4.40	2.07	4.69	2.98	43.35
1910	2.49	5.19	1.24	2.25	3.19	4.56	2.89	2.42	1.65	2.46	4.43	3.12	35.89
1911	3.75	2.63	3.80	3.64	1.39	2.14	5.12	4.06	2.98	2.37	7.40	3.50	42.78
1912	5.32	3.74	8.11	3.67	4.13	0.28	1.14	4.88	1.96	1.40	4.27	6.62	45.52
1913	5.01	3.48	3.34	5.74	1.75	1.32	2.37	3.11	2.33	11.42	2.75	4.56	47.18
1914	3.42	3.86	3.68	4.43	2.65	0.95	4.80	2.60	1.00	2.51	3.31	4.97	38.18
1915	10.07	3.92	0.18	2.51	2.49	1.64	5.69	7.38	2.11	3.95	1.98	4.52	46.44
1916	1.95	4.21	3.57	4.27	4.66	4.85	11.12	1.25	1.52	3.09	3.21	3.09	46.79
1917	3.19	1.97	5.92	4.69	5.05	5.35	1.72	3.57	2.75	4.97	0.15	2.07	41.40
1918	3.38	4.50	1.65	5.01	1.87	3.40	3.30	2.06	3.85	0.73	2.40	3.70	35.85
1919	5.48	3.91	4.97	3.37	4.27	2.42	5.59	7.94	6.06	1.78	4.23	2.48	52.50
1920	3.40	5.64	5.89	5.31	5.24	8.12	1.88	2.55	1.93	2.90	3.93	4.06	50.85
1921	3.35	2.64	3.87	4.84	4.58	3.53	9.23	2.39	1.85	1.49	7.73	2.92	48.42
1922	2.12	3.52	6.45	1.96	4.31	6.24	4.93	11.37	1.94	3.32	1.13	3.47	50.76
1923	6.39	1.74	5.01	6.15	1.33	3.67	2.66	2.32	1.96	3.94	1.98	5.70	42.85
1924	4.70	3.25	2.81	6.70	2.41	2.64	1.21	8.89	3.41	0.16	1.75	2.47	40.40
1925	3.73	2.26	3.98	2.41	3.34	3.24	3.90	1.44	4.39	4.50	4.52	3.95	41.66
1926	2.84	6.28	3.28	2.46	2.94	3.30	2.79	3.47	1.12	8.15	4.81	3.61	45.05
1927	3.33	3.36	1.65	1.56	2.15	2.31	4.87	10.95	2.66	3.83	5.21	5.45	47.33
1928	3.75	3.88	4.45	4.28	1.30	4.91	4.53	2.34	4.62	2.09	2.46	3.52	42.13
1929	4.10	3.97	4.21	7.25	3.32	0.87	3.40	4.27	4.45	2.93	3.00	5.44	47.21
1930	3.63	3.73	2.39	1.50	2.91	3.27	2.30	2.57	0.55	4.35	4.60	2.73	34.53
1931	3.72	2.70	6.88	3.43	5.64	6.27	3.07	6.46	1.94	3.44	0.86	3.72	48.13
1932	6.54	2.42	6.01	1.47	2.10	1.90	1.87	5.49	6.20	5.44	7.34	2.34	49.12
1933	2.84	4.29	6.56	7.41	1.87	1.25	2.28	2.45	11.67	4.26	2.67	4.15	51.70
1934	4.11	3.98	4.61	3.94	3.15	4.20	1.04	2.91	2.40	4.27	3.28	4.13	42.02
1935	7.07	3.15	2.07	5.05	1.98	3.60	3.56	1.80	4.49	1.81	6.52	1.61	42.71
1936	7.97	2.52	6.72	3.93	0.96	3.40	2.48	4.29	7.60	2.38	1.36	10.52	54.13
1937	5.23	1.67	3.95	5.84	2.49	3.87	0.23	3.12	4.22	4.76	5.62	4.83	45.83
1938	4.19	2.88	2.95	3.17	3.50	8.81	3.11	3.49	6.78	3.26	3.85	4.13	50.12
Av. 44 yrs.	4.12	3.77	4.39	4.08	3.28	3.45	3.33	3.89	3.55	3.75	3.70	4.03	45.34
1939	3.69	5.93	6.99	5.62	1.38	4.41	1.89	4.11	2.77	4.50	1.55	2.13	44.97
1940	2.98	7.93	4.77	8.54	4.61	1.56	4.10	1.13	4.51	1.79	7.36	2.94	52.22
1941	4.71	3.04	3.24	2.19	4.71	5.60	3.74	3.58	0.15	2.43	2.27	3.91	39.57

*Record revised.

ROCKPORT, MASS. Elevation, 30 feet.
Record 1902 to 1939 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.74*	5.62	7.51	8.90	5.59	10.10	11.06	11.48	10.65	5.77	7.77	6.27	47.17
Year	1923	1926	1906	1904	1922	1922	1921	1927	1918	1926	1921	1902	1904
Min.	1.13	1.38	0.00	1.41	0.35	0.39	0.99	0.92	0.25	0.04	0.73	1.60	31.12
Year	1916	1918	1915	1908	1903	1912	1920	1920	1914	1924	1922	1924	1910
1929	3.78	3.75	2.93	8.14	4.10	1.51	1.77	0.98	1.58	2.28	2.96	3.70	37.48
1930	2.60	2.97	3.69	1.90	3.92	1.17	3.04	2.40	0.64	4.11	6.84	3.13	36.41
1931	4.29	4.69	4.61	5.13	4.34	7.36	2.39	4.28	2.23	3.10	1.21	4.51	48.14
1932	5.47	3.24	5.67	3.04	1.06	2.13	3.69	4.55	5.76	6.71	7.12	1.91	49.35
1933	3.10	3.94	7.07	[illegible]	4.70	1.68	3.58	2.55	9.28	6.07	1.03	3.50	55.60
1934	3.67	3.60	3.75	2.67	1.73	3.15	0.41	0.88	8.34	4.78	3.87	4.39	41.24
1935	8.63	——	1.59	5.87	1.62	6.03	2.77	3.06	3.84	0.40	5.45	2.12	——
1936	6.86	2.79	7.17	——	——	——	——	——	——	——	——	——	——
1937	——	——	——	——	1.80	3.01	1.26	3.63	4.74	4.29	4.55	2.81	——
1938	3.54	3.67	2.68	3.36	3.76	——	8.73	1.43	6.00	——	3.03	3.10	——
1939	——	3.18	4.92	4.25	2.31	3.28	0.40	2.21	0.88	4.46	0.98	3.19	——
1940	1.80	4.94	3.30	5.07	1.44	1.76	——	0.74	3.39	——	——	——	——
1941	——	——	——	——	3.81	2.34	——	1.83	1.00	——	——	——	——

*Interpolated.

ROWE, MASS. Elevation, 1,300 feet.
Record June 1877 to December 1888 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.30	7.25	7.00	6.45	7.25	7.90	7.55	7.37	9.70	6.95	6.88	5.60	56.07
Year	1887	1887	1888	1878	1881	1879	1880	1885	1882	1877	1886	1881	1888
Min.	2.05	1.90	1.30	1.20	1.35	1.60	2.05	1.58	0.60	0.25	0.63	1.23	36.61
Year	1883	1886	1883 & 1885	1881	1887	1884	1888	1881	1877	1882	1882	1877	1883
Av. 11 yrs.	3.99	4.15	3.75	3.06	3.29	3.83	4.85	4.02	3.65	3.23	4.09	4.05	45.96

RUTLAND, MASS. (West Rutland). Elevation, 950 feet.
Record November 1927 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1927	——	——	——	——	——	——	——	——	——	——	5.81	5.55	——
1928	2.44	3.38	1.81	4.54	3.04	6.38	5.74	6.55	3.06	2.18	2.00	1.77	42.89
1929	3.98	3.58	3.16	5.15	4.07	3.80	1.12	1.80	3.08	2.30	2.90	2.84	37.78
1930	1.95	1.97	3.34	1.76	2.67	2.84	5.33	1.48	2.44	2.45	2.84	1.56	30.63
1931	2.39	2.89	4.52	2.51	5.48	5.18	3.34	10.78	2.21	2.56	1.22	3.23	46.31
1932	5.44	2.40	4.49	1.51	1.68	1.96	3.62	4.22*	6.70*	6.14	4.24	1.76	44.16
1933	2.00	2.57	4.27	3.75	3.57	2.45	2.25	5.39	9.30	5.37	1.19	2.18	44.29
1934	3.40	3.60	2.57	3.96	4.30	5.34	3.20	2.72	11.40	2.71	2.17	5.43	50.80
1935	5.14	3.22	2.61	2.93	3.29	5.73	3.85	1.25	4.55	1.21	3.55	1.41	38.74
1936	6.97	4.27	11.68	4.01	3.79	4.29	2.37	5.48	4.91	3.43	1.68	7.87	60.75
1937	5.60	2.46	3.20	4.38	4.52	5.21	2.36	6.16	3.82	3.77	6.93	3.11	51.52
1938	4.36	2.41	2.38	3.23	3.74	8.76	7.96	3.51	12.71	2.16	3.40	3.83	58.45
Av. 11 yrs.	3.97	2.98	4.00	3.43	3.65	4.72	3.74	4.49	5.83	3.12	2.92	3.18	46.03
1939	2.18	2.57	3.62	4.01	2.38	3.00	1.30	4.43	2.10	4.64	0.99	3.68	34.90
1940	2.31	3.62	4.45	5.83	5.45	2.18	3.45	1.53	1.80	1.24	6.59	2.78	41.23
1941	2.50	2.22	1.98	0.52	2.94	3.23	5.46	2.98	0.72	2.27	2.88	3.46	31.16

*Interpolated.

RUTLAND, MASS. (North Rutland). Elevation, 850 feet.
Record November 1923 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	3.23	6.06	4.71	5.26	3.74	6.90	7.08	7.90	5.13	5.29	7.14	6.20	52.70
Year	1924	1926	1925	1928	1926	1928	1927	1927	1925	1926	1927	1927	1927
Min.	2.14	1.80	1.45	2.16	1.21	0.90	1.98	1.70	1.67*	0.02	2.18*	1.33	34.32
Year	1926	1924	1927	1927	1925	1924	1926	1925	1926	1924	1928	1928	1924
1929	4.04	2.74	3.27	5.25	4.42	2.72	0.68	1.30	2.61	2.48	3.10	2.20	34.81
1930	2.64	2.28	2.86	1.98	3.37	2.52	8.95	1.34	1.98	2.50	2.92	1.92	35.26
1931	2.29	2.99	5.23	4.68	5.04	5.18	3.38	5.38	1.43	2.34	1.06	3.13	42.13
1932	3.17	1.50	5.16	1.93	1.42	1.40	3.61	4.42	6.95	7.18	5.33	2.35	44.42
1933	2.74	5.57	8.33	8.02	3.06	2.66	3.29	6.58	9.91	4.45	1.52	4.45	60.58
1934	3.49*	3.82	3.59	4.87	4.40	5.33	2.76	2.64	9.53	2.53	3.58	4.09	50.63
1935	7.54	4.22	2.09	3.85	2.80	7.08	3.63	0.98	5.71	1.00	4.28	1.59	44.77
1936	6.38	4.46	9.89	3.73	3.37	3.63	3.14	6.45	4.64	3.95	1.61*	8.20	59.45
1937	5.36	2.13	2.86	4.53	2.85	5.95	1.46	5.52	5.19	3.65	7.78	2.50	49.78
1938	3.72	2.15	1.78	3.36	3.55	7.83	10.37	1.69	17.15	2.72	2.83	2.89	60.04
Av. 15 yrs.	3.63	3.21	3.86	3.94	3.25	4.07	4.22	4.03	5.64	3.24	3.66	3.22	45.97
1939	2.67	2.82	4.21	2.52	2.58	3.06	1.49	4.03	2.56	4.56	0.89	3.45	34.84
1940	1.34	3.46	3.25	5.31	5.28	3.43	3.65	1.37	2.00	1.18	7.64	2.15	40.06
1941	2.46	2.28	1.19	0.50	3.23	3.96	6.38	3.19	0.73	2.68	3.15	2.70	32.45

*Interpolated.

RUTLAND, MASS. (State Sanatorium). Elevation, 1,160 feet.
Record 1902 to 1925 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.38	6.38	8.31	7.74	6.86	9.07	8.46	6.66	9.43	8.67	6.79	5.62	57.55
Year	1914	1916	1903	1921	1906	1922	1916	1908	1907	1902	1907	1902	1920
Min.	1.62	1.08	0.09	1.85	0.75	0.36	1.53	1.44	0.13	0.81	0.62	1.13	36.88
Year	1904	1905	1915	1915	1905	1912	1917	1907	1914	1920	1902	1918	1923
Av. 21 yrs.	3.50	3.40	3.78	3.90	3.40	4.03	4.17	4.08	4.00	3.08	3.32	3.31	43.97

RUTLAND, MASS. (Muschopauge Pond).
Record April 1931 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1931	———	———	———	4.68*	4.96	6.29	2.22	9.12	2.68	2.33	1.20	3.09	———
1932	4.74	2.04	4.08	1.84	1.76	2.14	3.72	4.43	7.04	6.81	5.06	1.73	45.39
1933	2.27	3.62	5.27	6.27	2.85	1.82	2.31	4.98	10.41	3.49	0.94	3.52	47.75
1934	3.55	2.52	3.63	4.57	4.03	5.46	1.91	2.44	10.17	2.87	3.15	3.47	47.77
1935	4.68	3.01	2.07	2.69	2.74	5.71	3.22	1.41	4.68	0.62	4.47	1.07	36.37
1936	7.08	2.70	11.51	3.63	3.77	2.34	2.31	5.58	4.74	3.61	1.40	7.39	56.06
1937	4.96	2.20	3.16	5.19	4.49	4.56	1.80	5.54	4.64	4.39	7.67	2.93	51.53
1938	3.87	2.00	2.65	3.14	3.85	8.00	8.01	4.45	14.41	2.18	3.69	2.89	59.14
Av. 7 yrs.	4.45	2.58	4.62	3.91	3.36	4.29	3.33	4.12	8.01	3.42	3.77	3.29	49.15
1939	2.48	3.49	4.52	4.37	2.03	3.36	1.74	4.99	3.04	4.42	1.06	3.10	38.60
1940	3.08	4.07	4.21	6.60	5.54	2.10	4.55	1.67	2.34	1.07	6.51	2.46	44.20
1941	2.45	2.55	1.38	0.91	2.63	2.88	3.96	2.94	0.72	2.55	2.55	3.48	29.00

*Interpolated.

SALEM, MASS. (A. A. Smith). Elevation, 46 feet.
Record 1886 to 1909 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.21	7.83	6.98	9.43	6.11	10.48	6.77	8.00	8.16	9.10	6.67	7.37	55.42
Year	1891	1886	1899	1904	1892	1903	1889	1893	1907	1895	1895	1901	1898
Min.	1.68	1.23	1.07	0.63	0.27	0.62	0.39	1.26	0.79	0.43	1.18	1.30	35.57
Year	1901	1895	1894	1892	1903	1894	1905	1894	1887	1897	1908	1892	1894
Av. 16 yrs.	4.14	3.71	3.68	3.32	3.68	3.07	3.11	4.27	3.61	4.08	4.00	3.60	44.27

SALEM, MASS. (Sewage Pumping Station). Elevation, 20 feet.
Record December 1910; March 1911 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.30	4.74	6.33	6.80	6.70	10.23	10.10	7.12	11.21	5.70	7.06	6.71	49.53
Year	1915	1920	1925	1914	1922	1922	1921	1915	1918	1913	1921	1923	1922
Min.	0.97	1.38	0.26	1.60	0.39	0.40	1.20	1.39	0.46	0.09	1.18	1.14	35.63
Year	1916	1923	1915	1911	1911	1912	1917	1921	1914	1924	1922	1917	1926
1929	3.19	3.24	3.18	7.95	3.66	1.08	1.95	2.59	1.38	2.19	2.28	3.34	36.03
1930	1.99	2.00	2.93	1.49	2.77	2.27	5.28	2.66	1.11	3.66	4.09	1.49	31.74
1931	3.44	2.84	5.65	2.73	4.43	6.76	2.41	3.64	1.88	2.46	0.84	3.50	40.58
1932	4.96	1.84	4.88	1.57	1.32	1.93	2.83	5.14	6.22	6.86	4.48	1.50	43.53
1933	2.54	3.43	6.67	7.58	2.30	1.18	2.72	3.43	9.67	3.94	0.87	2.88	47.21
1934	3.33	2.79	4.48*	2.66	2.28	4.43	0.95	1.60	7.16	4.02	3.01	2.42	39.13
1935	5.26	3.01	1.52	3.66	1.57	6.09	2.04	2.69	3.30	0.35	4.13	1.03	34.65
1936	6.57	2.43	5.53	3.99	1.50	2.85	1.85	5.10	5.97	1.56	1.25	8.67	47.27
1937	4.30	1.04	3.31	5.63	2.86	3.27	0.89	4.83	4.38	4.23	4.78	4.02	43.54
1938	3.25	2.09	2.46	3.10	4.34	5.67	10.75	2.22	6.94	2.20	2.30	3.24	48.56
Av. 27 yrs.	3.18	2.72	3.43	4.05	3.28	3.51	3.72	3.62	3.84	3.00	3.22	3.44	41.01
1939	1.80	3.89	4.22	4.64	1.97	2.87	1.17	2.08	1.33	4.68	1.00	2.60	32.25
1940	1.92	4.52	3.85	4.76	3.70	2.02	3.00	1.02	4.03	0.78	6.61	2.60	38.81
1941	2.57	1.70	1.82	2.24	2.52	2.61	2.54	3.18	0.40	2.02	2.70	3.41	27.71

*Interpolated.

SAVOY, MASS. (Hoosac Mountain). Elevation, 2,000 feet.
Record January 1913 to December 1933 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.24	6.90	6.95	6.24	8.77	10.51	10.16	8.29	7.61	7.18	9.89	6.26	55.51
Year	1923	1920	1913	1920	1919	1922	1915	1915	1919	1923	1927	1915	1920
Min.	1.98	2.18	0.44	0.79	1.75	1.48	2.19	2.42	0.46	0.00	1.43	0.87	32.00
Year	1921	1928	1915	1927	1926	1913	1918	1913	1914	1924	1914	1928	1914
1929	2.40	4.53	5.88	6.67	4.18	2.97	1.12	0.68	3.23	4.98	2.72	1.76	41.12
1930	3.42	1.05	2.51	2.44	5.14	2.97	4.95	3.42	2.73	2.32	4.66	1.52	37.13
1931	3.03	2.56	6.04	3.32	6.86	5.95	4.00	4.03	4.21	2.76	1.84	3.54	48.14
1932	6.45	2.83	3.03	3.50	2.38	2.26	7.17	4.53	1.96	6.11	6.60	2.31	49.13
1933	3.38	3.77	6.44	6.62	2.27	2.85	2.87	8.03	6.96	3.47	1.52	3.42*	51.60
Av. 21 yrs.	3.50	3.47	3.87	3.45	3.99	4.26	4.99	4.36	3.89	3.68	3.84	3.12	46.42

*Interpolated.

SCITUATE, MASS. (Greenbush, Water Co. Pumping Station). Elevation, 20 feet.
Record January 1930 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1930	2.90	3.86	2.79	1.45	3.09	2.03	3.95	3.16	0.20	3.75	5.32	2.99	35.49
1931	3.23	2.58	5.70	3.32	3.18	7.92	2.27	3.48	2.04	3.38	0.78	2.88	40.76
1932	6.26	2.12	5.54	1.33	1.47	2.51	1.47	6.84	5.01	3.94	5.55	1.75	43.79
1933	2.33	4.09	6.25	8.91	1.67	1.55	2.47	3.13	12.56	3.77	1.30	3.75	51.78
1934	3.93	3.36	4.37	2.64	2.10	3.89	0.80	2.03	3.67	4.01	3.01	2.46	36.27
1935	5.57	2.80	1.53	5.60	2.02	5.44	2.15	5.61	2.87	1.34	5.81	1.46	42.20
1936	6.60	2.51	6.28	3.44	1.97	3.46	3.04	5.39	9.22	1.82	1.39	9.70	54.82
1937	4.46	1.25	3.49	5.16	2.23	3.47	1.24	5.50	5.66	3.78	4.73	3.74	44.71
1938	3.78	1.97	3.08	2.44	3.72	7.79	6.50	2.90	5.62	3.01	3.05	3.08	46.94
Av. 9 yrs.	4.34	2.73	4.34	3.81	2.38	4.23	2.65	4.23	5.20	3.20	3.44	3.53	44.03
1939	2.48	4.11	4.94	4.50	1.33	2.79	1.96	2.31	1.45	5.10	2.01	1.87	34.85
1940	2.37	4.60	3.64	6.37	3.55	2.03	2.96	0.91	3.64	1.73	7.02	2.43	41.25
1941	3.90	1.62	2.13	2.35	3.09	3.33	2.62	2.66	0.23	1.52	1.82	3.22	28.49

SHARON, MASS. (Sharon Sanatorium). Elevation, 270 feet.
Record July 1903 to August 1926 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.99	8.76	6.11	8.62	6.31	7.45	10.07	8.01	8.80	7.74	7.80	9.00	54.68
Year	1915	1920	1906	1904	1906	1922	1921	1917	1924	1913	1909	1906	1919
Min.	0.97	1.71	0.03	1.58	1.15	0.55	0.83	1.11	0.26	0.16	0.54	0.71	31.80
Year	1916	1905	1915	1922	1923	1912	1917	1925	1914	1924	1917	1916	1910
Av. 22 yrs.	3.95	3.50	3.66	3.89	3.17	3.28	3.83	3.55	3.38	2.84	3.30	3.64	41.99

SHELBURNE, MASS. (Shelburne Falls) (Power Construction Company). Elevation, 370 feet.
Record April 1914 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	3.46	5.41	4.64	6.38	8.05	8.16	9.06	9.48	10.34	8.24	7.26	6.21	52.25
Year	1917	1916	1922	1920	1919	1922	1915	1915	1918	1917	1921	1920	1920
Min.	0.92	1.66	0.11	1.55	1.22	0.79	1.90	2.00	0.29	0.39	0.56	1.62	32.99
Year	1922	1923	1915	1927	1915	1919	1918	1918	1914	1928	1917	1919 & 1921	1926
1929	3.63	2.82	3.49	6.07	2.57	1.91	1.03	1.86	2.10	2.79	2.15	3.13	33.55
1930	2.21	0.91	4.12	1.25	3.58	4.25	3.95	1.63	1.99	1.71	4.13	1.89	31.62
1931	3.72	3.10	5.28	3.24	5.81	4.85	3.93	2.91	2.27	2.28	1.38	4.45	43.22
1932	5.51	3.00	4.93	3.10	2.14	0.91	3.37	4.34	2.47	5.97	7.74	2.16	45.64
1933	2.73	3.32	5.16	7.58	1.28	1.73	2.38	6.88	5.98	3.18	1.06	3.85	45.13
1934	3.70	2.70	2.67	6.49	3.21	5.02	4.62	3.53	8.07	1.84	3.36	3.40	48.61
1935	5.89	2.38	1.90	2.35	2.49	5.14	4.03	0.80	5.31	1.24	5.71	1.37	38.61
1936	7.04	2.89	10.12	4.34	1.17	2.21	3.04	6.25	0.99	4.90	2.35	6.61	51.91
1937	5.38	4.53	4.25	4.76	7.56	4.19	5.15	3.72	5.98	5.85	7.20	2.58	61.15
1938	5.22	1.98	2.05	2.69	3.99	5.89	7.01	1.95	12.50	2.42	3.21	3.94	52.85
Av. 24 yrs.	3.24	2.80	3.32	3.72	3.54	3.60	3.77	3.75	4.19	3.29	3.91	3.18	42.31
1939	3.28	3.11	4.50	5.89	1.51	4.64	1.30	3.21	2.18	3.96	1.34	3.11	38.03
1940	2.69	4.64	5.98	5.51	3.77	4.98	5.38	1.53	2.45	1.13	5.69	3.98	47.73
1941	2.62	3.92	2.14	0.85	2.19	3.83	5.28	1.40	2.08	2.20	4.21	5.45	36.17

SHELBURNE FALLS, MASS.
Record September 1932 to April 1940 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1932	———	———	———	———	———	———	———	———	2.46	6.30	8.17	1.64	———
1933	2.46	3.05	5.21	6.14	1.40	1.90	2.19	7.11	6.42	3.25	1.12	3.19	43.44
1934	3.37	1.73	3.79	5.34	3.25	5.29	4.40	3.48	9.10	2.06	4.08	2.61	48.50
1935	5.44	2.32	1.53	2.24	2.58	5.09	3.70	0.71	5.11	1.10	4.80	1.29	35.91
1936	5.66	2.31	9.61	4.36	1.19	2.30	3.24	6.47	2.44	3.39	2.13	6.79	49.89
1937	5.17	3.70	3.93	4.87	7.07	4.81	5.17	3.85	5.86	5.97	7.10	2.69	60.19
1938	4.61	1.67	2.00	2.50	3.86	5.69	6.90	2.22	11.74	2.26	2.81	3.88	50.14
Av. 6 yrs.	4.45	2.46	4.35	4.24	3.22	4.18	4.27	3.97	6.78	3.01	3.67	3.41	48.01
1939	2.74	3.30	3.32	5.83	1.74	4.68	1.44	3.08	2.45	3.55	1.23	2.78	36.14
1940	2.41	3.07	6.14	5.14	———	———	———	———	———	———	———	———	———

SHUTESBURY, MASS. Elevation, 1,175 feet.
Record October 1919 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.92	7.47	6.59	9.42	6.10	11.90	7.93	8.23	6.97*	6.35	9.35	11.00	60.25
Year	1923	1920	1922	1921	1922	1922	1925	1928	1920	1923	1927	1920	1920
Min.	1.46	2.17	1.36	1.89	2.25	1.74	2.27	2.18	1.79	0.06	1.98	1.44	39.32
Year	1922	1921	1924	1927	1926	1924	1920	1925	1926	1924	1922	1928	1924
1929	5.10	4.13	2.73	6.66	4.84	4.50	0.81	1.64	3.71	3.63	3.34	4.39	45.48
1930	2.04	1.55	3.65	1.38	4.08	3.84	5.05	2.49	2.87	2.89	3.98	1.67	35.49
1931	3.38	1.88	5.13	3.65	8.31	4.47	3.10	7.01	2.46	3.73	1.92	4.52	49.56
1932	4.56	2.55	3.95	2.89	2.35	2.84	7.86	4.07	5.03	4.44	6.28	2.04	48.86
1933	2.49	3.34	5.12	6.97	2.58	3.16	2.66	7.06	11.56	4.62	1.41	3.48	54.45
1934	3.95	5.61	4.32	4.99	5.06	5.98	2.75	3.12	11.61	3.30	4.79	3.79	59.27
1935	5.71	3.08	1.83	3.27	2.68	5.80	4.18	1.30	5.82	1.36	4.75	1.19	40.97
1936	6.92	3.98	10.02	4.39	2.85	4.75	2.14	5.88	6.96	3.72	2.51	6.93	61.05
1937	5.80	2.74	3.63	4.97	5.87	8.00	2.82	7.04	4.82	5.77	7.09	3.03	61.58
1938	5.15	2.21	2.07	3.20	4.18	8.69	8.12	3.29	14.93	2.82	3.36	4.22	62.24
Av. 19 yrs.	4.00	3.43	3.90	4.42	3.92	5.21	4.34	4.55	5.46	3.41	4.40	3.99	51.03
1939	2.74	4.25	4.05	4.36	2.56	3.62	2.12	5.72	3.40	4.49	0.75	2.95	41.01
1940	2.87	3.20	4.75	5.35	7.21	3.08	4.78	2.87	2.74	1.31	7.41	2.69	48.26
1941	2.15	1.81	1.56	0.55	2.05	4.49	3.85	3.18	1.38	3.18	2.64	4.95	31.79

*Interpolated.

SOMERSET, MASS. Elevation, 40 feet.
Record August 1884 to December 1922 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.94	8.70	9.61	10.25	7.54	7.79	10.66	12.16	7.89	9.61	8.91	8.60	57.34
Year	1891	1886	1890	1904	1901	1920	1916	1922	1907	1890	1889	1901	1898
Min.	1.41	1.16	0.03	1.29	0.68	0.23	0.54	1.14	0.87	0.85	0.24	0.88	31.65
Year	1916	1895	1915	1896	1903	1912	1909	1907	1903	1912	1917	1899	1918
Av. 38 yrs.	4.00	3.87	4.35	3.84	3.62	3.05	3.48	3.77	3.31	3.71	3.77	3.72	44.49

SOMERVILLE, MASS. (Old Mystic Pumping Station, Boston Water Works). Elevation, 60 feet.
Record January 1876 to December 1897 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.61	7.71	7.35	5.57	6.10	6.43	8.58	8.53	9.10	9.27	7.47	5.26	56.53
Year	1886	1893	1877	1878	1893	1881	1889	1878	1882	1895	1894	1888	1888
Min.	1.60	0.71	0.99	0.92	0.78	0.52	1.81	0.51	0.28	0.44	1.09	0.78	29.51
Year	1876	1877	1894	1892	1878	1894	1882	1883	1877	1897	1882	1877	1883
Av. 22 yrs.	3.97	3.79	3.90	2.99	3.41	2.92	3.63	3.88	3.18	4.00	4.17	3.25	43.09

SOUTHAMPTON, MASS. (Fomer Reservoir, Holyoke Water Works). Elevation, 525 feet.
Record January 1897 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.97	10.28	6.81	10.98	9.93	14.33	13.96	10.83	11.58	9.37	9.25	7.46	61.16
Year	1910	1900	1899	1901	1901	1903	1897	1928	1907	1917	1927	1902	1927
Min.	1.81	0.78	0.15	1.84	0.84	0.67	1.16	1.73	0.19	0.38	1.00	1.17	38.23
Year	1916	1901	1915	1900	1911	1913	1909	1907	1914	1924	1904	1928	1899
1929	4.10	4.40	3.15	8.17	3.29	3.69	0.86	1.86	3.05	6.60	2.98	4.27	46.42
1930	2.29	1.25	4.78	2.59	6.12	7.76	4.34	3.16	1.98	2.08	5.85	2.13	44.31
1931	3.83	2.20	6.36	2.96	9.37	6.02	6.83	4.41	1.76	3.32	1.61	3.10	51.77
1932	5.56	3.16	6.24	2.04	1.77	4.73	2.78	3.11	3.99	7.64	8.59	1.01	50.62
1933	2.02	3.38	5.58	5.46	2.22	4.00	1.81	7.33	8.96	3.66	1.05	3.65	49.12
1934	3.22	2.64	2.21	4.13	4.60	6.41	2.39	5.17	11.58	2.25	3.60	1.90	50.10
1935	5.20	2.91	1.32	1.78	2.66	5.95	3.81	0.54	5.19	0.55	5.32	1.66	37.09
1936	6.95	2.56	12.24	4.31	4.12	2.21	2.24	4.70	5.38	4.36	1.83	7.01	57.91
1937	6.89	3.84	3.74	5.26	6.12	5.18	4.48	5.50	3.88	6.69	7.81	3.01	62.40
1938	7.67	2.70	2.33	2.12	4.70	9.62	12.68	1.84	15.69	2.55	2.45	5.26	69.61
Av. 42 yrs.	3.94	3.71	4.12	4.12	4.17	4.49	4.30	4.51	4.56	3.81	3.86	3.76	49.35
1939	2.81	3.83	5.05	5.17	0.60	4.12	3.88	4.69	3.51	3.88	0.98	2.75	41.27
1940	2.83	4.36	5.09	5.44	7.13	2.34	2.73	3.13	2.41	1.38	6.67	2.84	46.35
1941	4.81	3.53	2.09	0.88	2.97	4.41	5.65	3.01	1.71	2.22	3.82	4.68	39.78

SOUTHBOROUGH, MASS. (Cordaville, Metropolitan Water Works). Elevation, 250 feet.
Record January 1894 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.67	9.78	7.27	9.87	7.43	9.98	8.56	9.86	9.68	9.38	11.25	9.31	59.28
Year	1923	1900	1899	1901	1901	1903	1921	1927	1907	1895	1927	1901	1901
Min.	1.57	1.51	0.07	1.42	0.94	0.67	1.20	1.07	0.39	0.14	1.12	1.85	37.77
Year	1916	1901	1915	1896	1903	1912	1917	1907	1914	1924	1908	1924	1910
1929	4.06	3.93	3.20	7.54	3.84	1.10	0.77	2.23	2.54	2.91	2.96	4.37	39.45
1930	2.51	2.48	3.96	2.05	2.90	1.60	4.41	3.34	0.81	4.13	4.50	2.75	35.44
1931	3.86	2.71	6.22	3.19	3.87	7.13	1.63	5.07	1.14	2.45	1.01	3.34	41.62
1932	4.83	2.71	5.70	2.29	1.89	3.36	1.84	5.09	11.01	6.50	5.25	1.84	52.31
1933	2.37	4.06	7.10	5.41	2.37	1.30	2.20	3.55	10.13	2.97	1.14	4.20	46.80
1934	3.71	4.40	4.52	3.47	3.45	4.56	3.21	2.13	8.42	3.38	2.56	2.80	46.61
1935	7.05	3.32	1.81	4.89	2.45	4.96	1.64	1.31	3.56	0.46	5.33	1.02	37.80
1936	8.22	4.27	9.88	3.38	3.29	2.45	1.50	5.40	6.39	2.41	1.68	8.59	57.46
1937	4.94	2.43	3.56	5.13	3.97	4.19	1.74	4.64	3.33	4.34	6.08	3.94	48.29
1938	4.59	2.44	2.71	3.12	4.26	8.08	10.61	4.91	8.98	1.95	2.99	3.89	58.53
Av. 45 yrs.	4.06	3.85	4.30	4.05	3.30	3.79	3.70	3.85	4.20	3.39	3.96	3.97	46.42
1939	2.80	4.54	4.35	4.79	1.58	3.91	1.10	4.15	1.89	5.64	1.10	3.15	39.50
1940	2.60	6.49	4.02	6.11	4.82	2.11	5.02	2.22	3.70	1.68	6.58	2.83	48.18
1941	3.63	2.36	2.91	1.40	2.04	5.48	3.76	3.00	0.61	1.95	2.90	3.70	33.74

SOUTHBOROUGH, MASS. (Sudbury Dam). Elevation, 260 feet.
Record January 1899 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.64	8.84	6.56	8.38	7.74	10.41	8.86	9.07	8.97	5.85	8.06	8.29	52.92
Year	1923	1900	1899	1904	1901	1903	1915	1927	1907	1923	1921 & 1927	1901	1901
Min.	1.51	1.35	0.02	1.65	0.72	0.28	1.04	1.00	0.24	0.10	1.00	1.61	33.79
Year	1916	1901	1915	1922	1911	1912	1917	1921	1914	1924	1908	1924	1910
1929	4.12	3.76	3.24	7.22	3.57	1.68	0.95	2.30	1.62	2.77	2.97	3.93	38.13
1930	2.63	2.55	3.79	2.12	3.75	1.62	3.75	2.71	0.96	4.29	4.22	2.60	34.99
1931	4.01	2.48	6.28	3.07	3.74	6.62	1.48	5.07	1.17	2.23	0.94	3.26	40.35
1932	4.65	2.78	5.59	2.17	1.33	3.37	2.03	4.80	10.96	6.76	4.94	1.95	51.33
1933	2.38	4.06	7.25	5.75	2.51	1.34	1.48	3.36	10.25	3.10	1.08	4.03	46.59
1934	3.83	4.39	4.76	3.71	4.00	4.38	2.65	2.09	8.96	3.25	2.81	3.10	47.93
1935	6.66	3.38	1.84	5.22	2.29	5.71	1.56	1.53	4.23	0.55	5.12	1.02	39.11
1936	8.18	3.96	9.95	3.33	2.48	2.68	0.82	5.16	4.83	2.24	1.66	8.67	53.96
1937	4.61	2.43	3.57	4.73	3.91	4.08	1.43	5.14	3.18	3.59	6.90	3.90	47.47
1938	4.83	2.44	2.67	3.05	3.89	7.28	9.77	3.73	9.37	1.87	3.14	3.68	55.72
Av. 40 yrs.	3.82	3.69	4.18	3.87	3.10	3.69	3.35	3.48	3.89	2.94	3.42	3.72	43.15
1939	2.36	4.34	5.11	4.46	1.81	3.26	1.97	3.67	2.09	4.85	1.07	3.25	38.24
1940	2.25	5.68	3.90	5.61	4.50	2.04	4.38	1.83	3.08	1.01	6.82	2.72	43.82
1941	3.87	1.97	2.88	1.21	2.34	4.08	3.29	3.21	0.61	1.71	2.80	3.56	31.53

SOUTHBRIDGE, MASS. (Hatchet Brook, Southbridge Water Supply Co.). Elevation, 720 feet.
Record January 1912 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.99	5.47	7.21	6.89	9.22	7.17	6.69	7.33	8.29	6.67	6.82	6.76	56.37
Year	1923	1920	1912	1924	1912	1920	1928	1915	1919	1917	1927	1927	1920
Min.	1.51	2.23	0.16	1.96	1.48	0.51	1.04	1.84	0.20	0.17	0.89	1.48	33.24
Year	1922	1921	1915	1917	1923	1912	1913	1916	1914	1924	1917	1917	1914
1929	4.36	3.78	2.99	6.80	5.42	2.35	0.94	1.54	2.22	3.20	3.22	3.88	40.70
1930	2.41	2.50	3.58	1.71	3.29	2.91	2.81	1.63	1.63	2.81	3.59	2.52	31.39
1931	3.39	2.01	4.54	2.84	4.49	6.87	2.71	6.09	1.28	1.49	1.40	3.22	40.83
1932	4.80	2.33	4.94	2.28	2.99	2.95	2.79	5.38	6.34	6.88	5.76	2.38	49.82
1933	2.46	4.84	6.49	6.38	3.30	2.91	5.40	5.55	9.28	2.87	2.05	4.33	55.86
1934	4.43	3.71	4.18	4.19	4.53	5.58	2.02	2.92	11.39	3.18	3.48	3.24	52.85
1935	6.21	3.51	2.38	3.73	2.53	7.00	3.40	1.52	4.42	0.65	4.26	1.30	40.91
1936	6.97	3.87	11.85	3.55	3.38	2.12	1.93	5.06	4.70	4.40	1.39	8.12	57.43
1937	6.14	2.44	3.65	5.57	3.40	4.48	4.66	5.82	4.67	5.07	9.51	3.15	58.56
1938	5.59	2.72	2.66	2.89	4.68	8.02	11.69	4.01	15.62	1.76	3.91	3.80	67.35
Av. 27 yrs.	3.74	3.34	4.00	3.99	3.79	3.95	4.07	4.06	4.53	3.30	3.77	3.54	46.08
1939	3.32	4.87	4.87	4.80	0.77	3.55	1.67	10.00	3.84	5.49	1.06	4.73	48.97
1940	3.15	4.92	4.90	6.72	6.42	3.46	4.65	1.36	2.76	1.70	6.52	2.83	49.39
1941	3.14	3.18	2.55	1.37	3.87	4.62	7.20	4.60	0.65	2.08	3.19	3.68	40.13

SPRINGFIELD, MASS. (1848-1867, by citizen of Springfield; 1868-1913, at United States Arsenal). Elevation, 200 feet.
Record January 1848 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.86	8.69	8.47	7.79	8.90	10.04	14.99	11.72	11.40	13.50	8.13	8.82	58.02
Year	1891	1900	1876	1854	1868	1862	1897	1856	1882	1869	1854	1901	1888
Min.	0.68	0.52	0.15	0.64	0.78	0.36	0.85	0.88	0.31	0.11	0.69	0.72	30.90
Year	1849	1849	1915	1892	1903	1912	1905	1854	1914	1924	1908	1928	1864
1929	4.15	4.73	3.07	6.39	4.42	1.24	0.45	1.74	3.22	1.89	2.92	3.69	37.91
1930	2.00	1.48	3.22	1.08	5.04	9.48	6.46	1.23	1.66	2.04	3.05	1.87	38.61
1931	3.72	1.77	3.31	2.53	6.95	5.91	2.72	4.75	1.62	2.61	1.08	3.20	40.17
1932	6.90	2.82	4.04	1.63	1.50	6.26	8.16	4.19	4.49	5.05	5.25	1.46	51.75
1933	2.12	3.84	4.18	6.46	2.42	2.93	1.69	7.53	7.90	3.24	0.66	2.78	45.75
1934	3.17	3.45	2.53	6.16	5.12	6.41	2.02	4.23	9.55	2.17	2.78	3.02	50.61
1935	5.62	3.24	1.80	2.53	2.28	5.31	3.96	0.82	4.56	0.90	3.34	0.63	34.99
1936	6.76	3.27	8.34	3.84	3.44	3.60	2.53	3.98	2.72	4.05	1.62	5.99	50.14
1937	4.33	2.07	3.47	3.99	4.10	5.35	2.86	4.13	3.36	3.94	5.37	2.14	45.11
1938	5.10	2.05	1.85	3.16	4.14	7.69	8.67	3.30	12.21	2.73	4.04	3.67	58.61
Av. 91 yrs.	3.41	3.43	3.59	3.27	3.73	3.80	4.29	4.26	3.62	3.73	3.52	3.29	43.94
1939	2.75	3.56	4.86	4.70	0.72	3.18	2.17	4.94	2.88	4.79	0.91	3.16	38.62
1940	3.18	2.33	5.04	5.44	5.79	2.95	4.96	1.84	1.92	0.99	5.38	2.34	42.16
1941	2.23	1.43	2.83	0.51	2.36	3.55	5.31	3.33	1.78	1.32	3.84	3.24	31.73

STERLING, MASS. (Metropolitan Water Works). Elevation, 555 feet.
Record January 1897 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.55	8.76	6.71	10.03	6.81	10.56	9.06	9.88	8.74	7.20	7.58	8.84	56.84
Year	1923	1900	1899	1901	1919	1903	1897	1898	1907	1898	1897	1901	1920
Min.	1.52	0.96	0.05	1.65	0.97	0.36	1.37	1.05	0.15	0.09	0.76	1.70	36.05
Year	1901	1901	1915	1917	1903	1912	1917	1907	1914	1924	1902	1899	1917
1929	4.56	4.26	3.50	6.03	4.98	3.10	1.25	1.24	1.63	2.92	2.93	3.31	39.71
1930	2.11	1.80	3.72	1.57	2.45	2.74	6.63	1.49	1.64	3.63	4.09	2.45	34.32
1931	3.54	2.42	5.40	2.85	4.21	5.77	2.17	7.05	1.72	2.42	1.32	3.61	42.48
1932	5.69	2.94	5.55	2.26	1.48	2.16	3.80	3.52	7.04	7.46	5.58	2.19	49.67
1933	2.36	4.30	5.63	6.10	2.55	1.32	2.72	4.21	10.54	3.24	1.68	3.62	48.27
1934	3.90	3.04	4.04	4.31	4.33	4.80	1.64	2.32	8.70	2.83	2.62	4.06	46.59
1935	6.33	3.49	1.97	3.40	1.01	5.93	2.27	1.78	4.82	0.54	4.63	1.27	37.44
1936	7.43	2.37	10.74	3.78	3.09	2.94	2.12	5.04	4.59	2.68	1.52	7.98	54.28
1937	5.01	2.36	3.36	5.32	4.74	4.04	1.30	5.18	3.93	4.08	8.23	3.37	50.92
1938	4.38	2.23	2.77	3.47	3.59	7.53	8.62	2.45	10.68	2.76	3.51	3.45	55.44
Av. 42 yrs.	3.69	3.57	4.01	3.80	3.20	3.82	3.77	3.71	3.94	3.16	3.61	3.86	44.14
1939	2.70	3.66	4.97	4.54	2.34	3.42	1.29	2.66	2.26	4.50	1.15	3.17	36.66
1940	3.30	3.90	4.20	5.82	5.36	2.41	3.27	1.72	1.83	1.13	7.15	2.74	42.83
1941	3.42	2.22	2.78	0.83	2.41	2.98	4.20	2.93	0.65	2.12	3.47	3.63	31.64

STOCKBRIDGE, MASS. (Stockbridge Water Company). Elevation, 875 feet.
Record October 1919 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	3.77	5.10	5.67	6.26	5.73	7.52	6.94	8.59	8.84	6.54	11.00	4.68	55.62
Year	1923	1920	1922	1920	1927	1928	1928	1928	1924	1927	1927	1927	1927
Min.	1.87	1.30	1.38	1.75	1.48	2.14	3.32	2.13	2.05	0.10	1.58	1.05	39.77
Year	1921	1923	1928	1927	1921	1924	1926	1925	1928	1924	1922	1928	1924
1929	3.69	2.88	3.28	6.50	2.93	2.19	0.91	1.47	2.84	3.02	2.78	3.17	35.66
1930	2.40	2.35	2.67	2.69	3.86	5.67	2.51	3.81	2.46	2.26	4.43	2.63	37.74
1931	2.64	2.21	3.10	2.64	6.60	4.43	5.16	3.11	2.58	2.71	2.17	4.07	41.42
1932	5.04	2.42	4.59	3.03	2.20	2.98	5.12	8.22	2.33	4.57	6.14	1.46	48.10
1933	1.94	3.55	4.39	5.10	3.89	2.33	3.53	9.34	10.86	2.65	2.71	3.79	54.58
1934	2.52	3.99	2.06	3.11	5.01	6.91	3.50	3.67	10.03	3.26	5.00	2.80	51.86
1935	5.19*	1.85	1.61	3.96	3.35	5.78	5.09	1.30	4.16	1.86	4.58	1.45	40.18
1936	3.91	1.52	7.54	4.24	4.02	2.48	2.93	4.22	3.55	2.67	2.20	3.22	42.50
1937	5.76	2.32	3.80	3.75	4.74	6.29	2.53	6.77	5.06	5.14	3.51	2.58	52.25
1938	2.43	1.85	0.96	2.38	3.20	5.59	11.77	2.69	11.34	1.77	1.67	3.78	49.43
Av. 19 yrs.	3.04	2.68	3.39	3.75	3.66	4.58	4.47	4.61	4.76	3.18	4.03	2.59	44.74
1939	2.70	3.75	4.42	6.76	1.13	2.96	2.75	4.52	4.92	5.45	1.56	3.18	44.10
1940	1.93	4.88	4.55	4.62	6.01	4.22	3.07	3.99	3.67	0.99	5.28	2.56	45.77
1941	1.78	1.28	2.30	0.72	1.61	2.35	4.26	5.73	3.48	3.98	1.96	3.54	32.99

*Interpolated.

STOCKBRIDGE, MASS. (N. H. Bangs). Elevation, 850 feet
Record January 1930 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1930	2.18	1.83	3.41	1.73	3.81	4.10	2.59	2.70	2.06	1.86	3.23	1.84	31.34
1931	2.49	1.51	2.59	2.20	5.37	4.98	4.95	3.32	2.08	2.81	1.76	3.98	38.04
1932	4.24	2.06	3.59	2.98	2.15	2.29	4.16	7.19	3.16	3.08	6.14	1.47	42.51
1933	1.99	3.19	4.85	4.56	3.89*	2.33*	3.53*	9.34*	9.98	2.64	1.97	3.26	51.53
1934	3.69	2.99	2.55	3.63	3.96	6.92	3.59	3.77	9.63	2.35	4.86	2.55	50.49
1935	5.19	2.37	2.22	2.13	2.78	4.52	3.34	1.25	3.35	1.72	5.12	1.16	35.15
1936	4.40	2.46	6.44	4.23	3.79	2.52	2.45	6.00	2.89	4.06	2.23	4.42	45.89
1937	5.20	2.02	3.65	2.95	4.91	6.13	4.34	9.23	5.06	5.58	3.15	2.56	54.78
1938	4.75	2.17	2.10	2.74	3.08	6.80	8.50	4.02	11.81	1.84	3.43	3.17	54.41
Av. 9 yrs.	3.79	2.29	3.49	3.02	3.75	4.51	4.16	5.20	5.56	2.88	3.54	2.71	44.90
1939	1.96	3.03	3.36	6.01	1.07	3.65	2.81	4.11	4.30	4.70	1.21	2.53	38.74
1940	1.64	2.51	5.15	4.82	6.11	4.47	2.99	3.59	4.41	1.32	5.21	2.53	44.75
1941	1.83	1.95	1.49	0.82	1.91	3.30	4.48	2.82	2.96	3.64	2.15	3.66	31.01

*Interpolated.

STONEHAM, MASS. (Spot Pond, Metropolitan Water Works). Elevation, 160 feet.
Record January 1899 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.43	7.70	7.17	9.42	7.19	11.33	9.07	8.29	9.87	6.83	6.86	7.96	52.07
Year	1923	1920	1899	1904	1901	1922	1921	1915	1924	1913	1921	1901	1901
Min.	1.55	0.82	0.04	1.40	0.33	0.35	1.01	1.09	0.24	0.06	1.04	1.42	31.41
Year	1916	1901	1915	1899	1903	1912	1905	1925	1914	1924	1908	1899	1910
1929	3.98	4.71	3.23	8.52	3.34	1.93	1.41	4.45	1.46	2.53	3.24	4.20	43.00
1930	2.98	2.67	3.71	2.07	3.35	2.37	5.33	3.07	0.45	5.08	4.66	2.85	38.59
1931	4.06	3.84	5.40	2.87	3.89	8.67	2.10	4.49	1.31	2.43	1.17	3.63	43.86
1932	4.82	2.82	5.72	1.76	1.38	3.06	2.63	6.03	6.47	7.89	5.72	2.05	50.35
1933	2.46	4.69	7.42	7.93	2.10	1.08	2.13	3.16	9.62	3.29	1.02	4.15	49.05
1934	3.82	5.53	5.98	3.09	2.74	4.48	1.22	2.07	7.75	3.27	2.60	2.87	45.42
1935	8.28	4.19	2.03	6.04	1.60	5.88	1.81	1.64	4.32	0.56	5.17	1.14	42.66
1936	8.21	4.29	7.42	3.42	1.84	2.65	1.46	6.07	5.24	2.02	1.43	9.35	53.40
1937	4.87	1.65	3.65	4.71	3.12	5.33	1.42	5.78	3.89	4.77	6.10	5.68	50.97
1938	4.80	2.88	2.76	3.25	4.34	5.88	10.44	2.22	7.30	2.87	3.29	3.22	53.25
Av. 40 yrs.	3.98	3.87	4.17	4.07	3.06	3.92	3.41	3.61	3.91	3.03	3.26	3.83	44.12
1939	2.90	4.03	5.73	4.93	2.11	2.86	0.35	2.34	1.87	4.96	1.13	3.40	36.61
1940	2.55	5.59	4.08	5.19	3.89	2.45	4.02	1.23	3.46	1.00	6.79	2.67	42.92
1941	4.30	1.83	2.90	1.63	2.62	2.48	2.62	3.04	0.50	1.86	2.76	4.00	30.54

STOW, MASS. (Jonathan Newell, A.M.). Elevation, 250 feet.
Record 1792 to 1804 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	3.96	5.20	8.27	7.43	6.27	8.18	8.09	7.72	5.58	7.30	3.32	4.30	48.38
Year	1801	1803	1801	1795	1802	1799	1803	1802	1796	1798	1801	1803	1795
Min.	0.86	0.98	2.20	0.74	2.16	0.88	1.70	1.27	1.11	0.91	1.02	1.84	33.58
Year	1800	1802	1800	1802	1803	1803	1797	1799	1801	1801	1802	1797	1793
Av. 10 yrs.	2.50	2.78	3.98	3.52	4.05	2.98	3.85	3.19	3.13	4.07	2.33	3.03	39.41

STURBRIDGE, MASS. (Fiskdale). Elevation, 600 feet.
Record 1888 to 1900 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.31	7.75	6.31	3.96	5.64	4.22	9.41	7.28	7.26	7.40	6.71	6.19	51.63
Year	1891	1900	1900	1895	1890	1900	1897	1898	1896	1890	1897	1888	1898
Min.	1.00	0.76	1.30	0.39	1.34	0.53	1.44	1.92	1.36	0.64	0.90	0.71	25.75
Year	1896	1895	1894	1892	1899	1894	1893	1894	1897	1897	1890	1892	1894
Av. 11 yrs.	2.99	2.97	3.02	2.27	3.62	2.72	4.74	4.21	3.42	4.33	3.78	3.22	41.29

SUDBURY RIVER WATERSHED, MASS. (Metropolitan Water Supply).
Record January 1875 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.64	9.14	8.36	8.87	7.23	9.25	9.13	8.92	8.76	10.68	8.21	9.69	57.93
Year	1923	1900	1877	1904	1901	1903	1876	1927	1907	1895	1927	1901	1878
Min.	1.53	0.74	0.05	0.83	0.93	0.46	1.11	0.73	0.29	0.11	0.98	0.87	32.78
Year	1916	1877	1915	1892	1903	1912	1917	1883	1914	1924	1908	1877	1883
1929	3.99	3.84	3.14	7.30	3.65	1.65	0.90	2.14	2.11	2.85	2.97	4.08	38.62
1930	2.62	2.52	3.84	2.06	3.07	1.62	4.08	2.49	0.81	4.37	4.36	2.56	34.40
1931	3.95	2.57	5.89	3.12	3.87	7.18	1.66	4.93	1.19	2.23	0.95	3.29	40.83
1932	4.69	2.59	5.51	2.19	1.55	3.28	1.92	5.21	10.57	6.59	5.10	1.92	51.12
1933	2.36	4.09	7.13	5.65	2.49	1.47	2.13	3.53	10.25	2.98	1.11	4.05	47.24
1934	3.85	4.36	4.73	3.59	3.70	4.53	2.91	2.10	8.56	3.26	2.68	3.02	47.29
1935	7.01	3.25	1.82	5.08	2.40	5.41	1.83	1.63	3.93	0.53	4.98	1.03	38.90
1936	8.10	4.12	9.68	3.28	2.62	2.41	1.18	5.17	5.57	2.09	1.66	5.65	54.53
1937	4.67	2.38	3.60	4.84	3.82	4.24	1.51	4.60	3.16	3.60	6.41	3.93	46.76
1938	4.72	2.38	2.73	3.07	4.24	7.63	11.31	4.43	9.28	1.94	3.04	3.63	58.40
Av. 64 yrs.	4.06	3.92	4.28	3.68	3.22	3.40	3.61	3.82	3.72	3.52	3.78	3.77	44.78
1939	2.52	4.35	4.84	4.58	1.59	3.64	2.01	4.21	1.90	5.20	1.07	3.25	39.16
1940	2.46	6.11	4.08	5.66	4.50	2.07	4.35	1.93	3.54	1.25	6.83	2.75	45.53
1941	3.81	2.14	2.75	1.30	2.24	4.56	3.68	2.99	0.53	1.73	2.70	3.46	31.89

SWAMPSCOTT, MASS.
Record January 1930 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1930	3.02	2.63	3.49	1.73	3.12	2.94	7.91	3.30	0.45	4.58	4.98	3.55	41.70
1931	3.83	3.95	5.39	3.11	4.79	10.81	2.24	4.90	2.11	2.68	1.24	3.31	48.36
1932	5.96	2.17	5.39	1.74	1.40	2.47	3.22	4.22	4.92	7.43	4.78	1.89	45.59
1933	2.71	4.50	6.44	8.24	2.92	1.34	2.38	3.45	9.36	3.89	1.06	3.41	49.70
1934	3.26	3.41	2.96	4.47	2.00	4.07	1.19	2.22	5.74	3.41	2.34	2.69	37.76
1935	7.32	2.80	1.59	5.82	1.74	5.84	1.08	1.42	2.83	0.37	4.57	1.22	36.60
1936	7.40	3.60	6.16	3.56	1.76	2.44	1.64	5.46	4.00	2.62	1.33	7.64	47.61
1937	4.23	1.14	3.23	4.86	2.44	2.96	0.75	5.02	3.52	3.50	3.70	4.89	40.24
1938	4.62	2.86	2.39	2.68	4.66	5.40	10.73	2.80	6.04	2.04	3.25	2.60	50.07
Av. 9 yrs.	4.70	3.01	4.12	4.02	2.76	4.25	3.46	3.64	4.33	3.39	3.03	3.47	44.18
1939	2.22	3.89	5.13	4.34	2.08	2.78	0.65	2.12	1.86	3.88	0.99	2.56	32.50
1940	1.89	5.63	4.13	5.00	3.62	2.97	3.41	0.93	3.10	0.91	5.87	2.63	40.09
1941	3.91	1.34	2.64	2.00	2.49	2.64	3.35	1.74	1.90	2.00	2.35	3.07	29.43

SWIFT RIVER WATERSHED, MASS.
Record January 1916 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1916	1.42	3.28	2.70	3.01	2.96	5.28	6.63	3.86	6.24	1.29	3.91	2.74	43.32
1917	3.39	3.06	4.27	1.41	4.13	4.79	1.69	4.31	1.07	5.77	1.66	1.52	37.07
1918	3.11	3.36	1.95	2.78	1.53	4.90	1.53	2.70	6.82	1.19	2.89	3.95	36.71
1919	2.65	2.67	5.35	2.60	5.92	1.91	5.27	4.87	5.59	3.10	6.01	1.44	47.38
1920	2.21	4.88	3.18	6.10	3.45	5.96	3.31	5.17	6.92	1.17	5.81	6.36	54.52
1921	2.42	2.65	3.69	8.61	3.32	4.33	6.47	3.70	2.71	2.27	6.52	2.49	49.18
1922	1.55	3.00	5.52	2.06	4.69	11.83	5.34	4.37	2.80	3.42	1.82	3.43	49.83
1923	6.55	1.90	2.57	4.66	2.31	3.40	2.44	3.51	2.04	5.53	5.29	4.69	44.89
1924	4.18	2.10	1.34	5.41	3.37	1.72	2.48	3.56	5.23	0.06	2.98	2.16	34.59
1925	2.53	3.42	4.76	3.12	2.64	4.41	6.39	1.98	4.22	4.51	3.52	2.67	44.17
1926	2.73	4.12	3.26	2.58	1.80	3.23	3.41	3.63	1.50	5.66	6.17	2.94	41.03
1927	2.48	3.46	1.59	1.97	4.85	3.79	6.93	6.58	2.94	4.65	8.23	5.72	53.19
1928	2.56	3.10	2.21	4.93	2.79	7.22	6.20	7.65	3.75	1.61	2.30	1.25	45.57
1929	4.48	3.36	3.28	6.37	4.51	3.28	0.99	1.65	4.55	2.57	3.12	3.66	41.82
1930	2.17	1.87	3.48	1.21	3.66	3.88	5.55	1.69	2.81	2.32	3.57	1.51	33.72
1931	2.92	1.81	4.07	2.88	6.44	4.62	2.97	6.57	2.39	3.37	1.59	3.70	43.33
1932	4.37	2.45	4.26	2.49	1.90	2.51	5.25	4.04	5.24	4.27	4.75	1.96	43.49
1933	2.34	3.72	5.04	6.18	2.25	2.86	2.39	6.86	10.32	4.73	1.42	3.42	51.53
1934	3.46	3.06	3.52	4.05	4.59	5.40	3.54	3.23	9.78	2.79	4.26	2.98	50.66
1935	5.18	2.86	1.91	3.31	2.73	5.81	2.98	1.04	4.89	1.35	4.31	1.06	37.43
1936	7.01	3.07	8.92	4.50	2.59	3.99	2.49	5.46	5.61	2.97	2.11	6.55	55.27
1937	5.55	2.28	3.29	4.31	5.11	6.56	2.70	5.85	5.42	4.68	6.71	2.82	55.28
1938	4.72	2.37	2.37	3.16	3.87	8.27	8.76	3.09	15.24	2.55	3.30	3.64	61.34
Av. 23 yrs.	3.48	2.95	3.59	3.81	3.54	4.78	4.16	4.15	5.13	3.12	4.01	3.16	45.88
1939	2.74	4.17	4.17	4.36	1.88	3.31	1.75	3.86	2.50	4.70	0.93	3.62	37.99
1940	2.33	2.96	5.13	6.30	6.21	2.70	4.01	2.26	2.43	1.29	6.93	2.90	45.45
1941	2.40	1.85	1.65	0.79	2.72	4.06	5.27	3.26	1.21	2.59	3.32	3.66	32.78

TAUNTON, MASS. Elevation, 50 feet.
Record June 1874 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	9.93	9.86	8.92	8.54	7.70	8.75	9.89	11.74	9.37	10.48	8.88	9.76	67.23
Year	1915	1893	1901	1904	1901	1881	1898	1830	1907	1853	1888	1901	1898
Min.	2.10	1.07	0.05	1.30	0.35	0.35	0.84	0.43	0.62	0.19	0.41	1.47	36.29
Year	1902	1921	1915	1896	1903	1912	1917	1882	1884	1924	1917	1899	1924
1929	3.38	3.53	4.24	7.60	3.89	0.92	2.51	3.12	3.82	3.45	3.54	4.42	44.42
1930	3.04	3.05	2.88	1.68	3.00	1.80	2.33	3.64	0.37	5.62	3.58	2.86	33.85
1931	3.13	1.77	5.16	2.84	5.78	7.15	4.73	5.51	1.75	3.81	1.01	3.96	46.60
1932	6.12	1.81	5.62	1.54	2.69	2.10	3.16	6.23	6.80	7.63	6.58	1.66	51.94
1933	2.09	3.02	5.07	7.61	3.19	1.65	3.18	3.26	11.63	3.27	1.64	3.24	48.85
1934	4.06	3.18	3.88	5.03	3.05	4.48	1.76	2.29	3.83	3.96	4.66	3.29	43.47
1935	5.25	2.54	1.85	5.45	1.84	6.97	3.66	2.30	3.34	1.07	5.42	1.25	40.94
1936	6.07	2.32	6.60	4.44	1.10	2.18	1.62	4.25	7.42	2.21	1.17	8.96	48.34
1937	3.98	1.14	4.02	5.68	2.30	3.91	0.96	7.34	3.30	4.04	5.60	4.74	47.01
1938	3.59	2.22	2.34	2.78	4.51	8.89	5.88	1.89	6.74	3.91	3.25	3.53	49.53
Av. 64 yrs.	4.53	3.91	4.22	4.11	3.42	3.23	3.81	3.97	3.78	3.88	4.00	4.02	46.88
1939	2.69	4.06	5.47	4.85	1.06	3.95	2.11	5.73	3.02	5.90	1.60	2.47	42.91
1940	2.40	4.79	3.92	7.12	4.71	2.00	4.37	0.97	4.17	2.23	8.11	2.72	47.51
1941	3.68	2.32	2.15	2.45	2.01	5.40	5.12	3.67	0.02	2.26	2.96	2.93	34.97

TEMPLETON, MASS. (Baldwinsville). Elevation, 930 feet.
Record January 1907 to July 1916—January 1919 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.21	5.74	7.30	7.35	6.55	13.44	8.12	8.38	9.20	5.49	7.62	8.32	60.00
Year	1923	1916	1922	1920	1919	1922	1915	1928	1907	1926	1921	1920	1920
Min.	1.37	1.90	0.08	1.64	1.07	0.50	1.60	1.50	0.25	0.02	0.90	1.33	30.80
Year	1916	1911 & 1912	1915	1927	1915	1913	1909	1907	1914	1924	1908	1928	1910
1929	4.04	2.91	3.05	5.16	4.04	4.34	0.66	1.52	2.05	2.18	2.09	2.77	34.81
1930	2.09	1.87	3.82	1.40	2.40	3.68	3.43	1.33	1.84	2.56	3.04	1.29	28.75
1931	2.40	1.80	3.16	3.85	4.15	4.29	2.07	5.85	2.43	3.35	2.76	4.00	40.11
1932	4.59	2.30	4.71	1.62	2.19	1.69	5.17	3.58	5.57	4.85	3.77	1.94	41.98
1933	2.70	3.64	5.18	6.47	2.42	2.57	2.07	5.95	8.12	3.94	1.60	3.34	48.00
1934	3.29	2.66	3.23	3.52	3.35	5.17	3.17	2.41	7.29	2.77	3.83	3.15	43.84
1935	4.31	2.41	1.61	2.89	2.57	5.47	2.49	1.80	4.61	1.06	4.34	0.77	34.33
1936	6.06	2.44	8.34	3.85	1.91	2.93	2.74	6.18	3.60	2.70	2.18	6.58	49.51
1937	4.44	1.87	2.97	3.79	4.88	5.66	4.09	3.05	4.57	3.83	5.73	2.15	47.03
1938	3.63	1.73	2.03	2.63	3.08	7.64	8.45	4.05	17.97	2.16	4.46	3.25	60.98
Av. 29 yrs.	3.34	2.87	3.71	3.69	3.10	3.64	3.88	3.93	4.13	2.95	3.88	3.36	42.48
1939	2.18	3.35	3.12	3.86	1.91	2.85	1.24	4.56	2.11	3.67	0.78	3.13	32.76
1940	1.76	2.47	4.04	4.87	5.27	2.77	4.01	1.47	2.52	1.28	5.62	2.52	38.60
1941	1.45	1.43	0.99	0.61	2.77	3.19	2.92	3.03	0.92	3.09	2.19	2.89	25.48

TEMPLETON, MASS. (East Templeton). Elevation, 1,000 feet.
Record August 1893 to December 1906 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	4.72	6.90	6.15	4.15	6.56	5.51	11.03	7.92*	5.87	5.99	6.43	8.11	45.20
Year	1894	1900	1896	1904	1906	1903	1897	1898	1905	1898	1898	1901	1898
Min.	1.29	0.74	0.63	0.25	0.61	0.32	1.78	0.54	1.38	0.53	0.32	1.01	28.31
Year	1901	1901	1894	1896	1905	1894	1904	1894	1893	1897	1902	1896	1894
Av. 13 yrs.	2.86	2.89	3.40	2.26	2.44	3.06	3.70	3.56	3.44	2.79	2.92	3.40	36.72

*Interpolated.

THATCHER'S ISLAND, MASS. Elevation, 25 feet.
Record January 1876 to December 1884 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.56	7.54	9.96	8.53	8.72	7.51	6.60	7.56	7.40	7.57	11.18	6.80	64.21
Year	1884	1884	1881	1880	1882	1881	1876	1879	1882	1878	1881	1881	1881
Min.	1.93	0.95	2.00	1.56	0.93	1.33	2.17	0.37	0.51	0.90	2.46	1.37	40.11
Year	1876	1877	1883	1881	1878	1882	1879	1876	1877	1879	1882	1877	1883
Av. 9 yrs.	4.30	4.04	5.64	4.27	3.50	2.85	4.16	3.39	2.56	3.79	6.36	4.15	49.01

TISBURY, MASS.
Record 1929 to 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1929	2.51	4.14	2.64	5.52	6.61	0.54	0.97	2.28	7.10	1.92	2.05	3.70	39.98
1930	4.16	2.67	1.62	0.15	1.68	———	———	———	———	———	———	———	———
1931	———	———	———	———	———	———	———	———	———	———	———	4.75	———
1932	5.22	1.79	6.38	1.77	2.55	6.88	3.94	3.08	5.72	5.98	5.28	4.37	52.96
1933	7.27	2.71	5.37	3.25	1.87	4.03	1.26	6.73	13.72	5.39	2.39	3.41	57.40
1934	2.04	2.90	1.74	3.41	1.24	3.48	1.43	1.34	4.79	3.11	1.86	1.64	28.98
1935	3.52	1.24	1.64	2.73	1.59	———	———	———	———	———	———	———	———
1936	———	———	———	———	———	———	———	———	6.89	4.05	2.50	8.48	———
1937	4.47	2.04	4.01	6.82	3.18	3.70	1.11	5.73	8.21	5.07	5.01	4.19	53.54
1938	3.55	2.36	3.55	4.05	4.30	5.51	6.23	2.70	8.86	4.35	4.59	4.38	54.43
Av. 6 yrs.	4.18	2.66	3.95	4.14	3.29	4.02	2.49	3.64	8.07	4.30	3.53	3.61	47.88
1939	5.00	4.94	10.01	4.99	1.70	4.92	2.00	5.40	2.06	4.41*	2.22	2.88	50.53
1940	2.29	4.87	6.70	6.57	3.06	1.85	5.53	0.81	4.38	2.24	5.15	4.12	47.57
1941	4.45	2.02	2.57	2.63	0.90	6.28	4.43	4.88	0.07	2.52	2.22	3.00	35.97

*Interpolated.

UXBRIDGE, MASS.
Record January 1931 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1931	3.35	2.72	5.68	2.70	3.47	7.91	2.37	5.85	1.25	2.16	0.93	2.92	41.31
1932	5.34	2.23	5.71	2.24	1.83	2.19	1.50	5.57	8.76	6.29	5.59	1.95	49.20
1933	2.14	4.22	6.70	6.02	2.25	2.02	1.93	2.93	8.27	2.75	1.53	4.26	45.02
1934	3.79	4.09	4.12	4.88	3.08	4.04	2.13	2.86	7.87	3.22	2.89	3.20	46.17
1935	5.86	3.31	1.62	5.04	2.31	6.56	3.35	0.71	3.05	0.21	4.85	0.84	37.71
1936	7.45	3.21	10.11	2.86	1.75	2.21	2.72	8.53	5.16	3.38	1.33	9.07	57.78
1937	5.09	2.22	3.69	4.77	2.31	3.18	3.33	6.13	3.28	3.71	7.82	3.13	48.66
1938	4.78	2.50	2.56	2.24	4.21	8.15	12.16	4.02	8.27	1.53	3.46	3.70	57.58
Av. 8 yrs.	4.73	3.06	5.02	3.84	2.65	4.53	3.69	4.58	5.74	2.91	3.55	3.63	47.93
1939	2.95	4.48	4.67	4.99	1.07	3.16	1.20	7.02	1.58	4.72	1.18	2.90	39.92
1940	2.55	5.52	3.79	5.75	4.89	3.20	2.98	1.41	2.62	1.76	6.92	2.68	44.07
1941	3.50	3.04	2.67	1.32	3.05	3.84	5.77	4.03	0.39	1.76	2.82	3.48	35.67

VINEYARD HAVEN, MASS. Elevation, 40 feet.
Record January 1894 to May 1900 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.77	6.39	8.87	6.69	6.19	4.51	6.37	5.04	6.63	10.88	11.01	6.87	59.04
Year	1900	1899	1899	1898	1898	1899	1895	1897	1896	1894	1898	1894	1898
Min.	2.04	0.95	2.26	1.37	1.73	0.81	1.47	1.74	0.80	2.44	1.97	1.57	43.52
Year	1896	1895	1894	1896	1899	1898	1894	1894	1897	1897	1899	1899	1895
Av. 6 yrs.	4.03	3.93	4.88	4.15	4.06	2.62	4.22	3.43	2.63	5.32	5.64	3.95	48.86

WAKEFIELD, MASS. Elevation, 100 feet.
Record January 1890 to December 1897 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.23	8.39	7.49	4.03	6.77	6.50	4.81	5.94	8.20	8.55	9.71	5.62	51.37
Year	1891	1893	1890	1895	1893	1897	1895	1893	1896	1890	1895	1890	1890
Min.	2.48	1.12	1.10	0.65	2.35	0.22	1.54	1.07	1.66	0.36	1.53	1.31	35.38
Year	1893	1895	1894	1892	1891	1894	1892	1894	1891	1897	1890	1892	1894
Av. 8 yrs.	3.73	4.04	4.30	2.64	4.72	3.27	2.74	3.57	3.04	4.49	4.52	3.37	44.43

WAKEFIELD, MASS. (Water Works Pumping Station, Crystal Lake). Elevation 92 feet.
Record January 1928 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1928	2.75	2.25	0.94	4.60	3.28	6.79	3.68	3.80	4.68	3.41	1.96	2.39	40.53
1929	3.10*	3.50*	2.62	7.80	2.36	2.08	1.41	4.43	1.76	2.67	2.98	2.77	37.48
1930	1.75	1.17	3.60	1.79	3.21	2.38	7.06	2.19	0.69	5.31	3.88	1.99	35.02
1931	2.94	4.00	4.97	2.81	3.42	7.60	2.82	4.84	1.53	2.63	1.14	3.64	42.34
1932	4.84	1.92	5.29	1.87	1.28	2.57	1.59	5.80	6.81	8.25	4.34	2.03	46.59
1933	2.50*	4.20	7.40*	7.29	3.00	1.28	1.82	2.75	10.60	3.57	0.70	3.31	48.42
1934	3.05*	3.60*	4.95*	5.37	2.20	4.23	0.58	1.95	6.46	2.99	1.55	2.76	39.67
1935	6.00	2.92	1.73	4.07	1.44*	8.56	2.64	0.79	3.47	0.48	4.58*	1.05	37.73
1936	6.79	3.30	6.83*	2.92	1.97	2.06	0.94	3.86	5.37	1.84	1.22	8.32	45.42
1937	4.44	1.12	2.53	4.23	2.96	3 94	0.86	6.16	3.35	4.23	4.08	4.87	42.77
1938	4.02*	1.29	1.98	2.15	4.48	6.62	10.30	2.35*	7.90	2.44	0.88	2.80	47.21
Av. 11 yrs.	3.84	2.66	3.89	4.08	2.69	4.37	3.06	3.54	4.79	3.44	2.48	3.27	42.11
1939	0.97	3.38	4.40	4.19	2.14	2.38	0.75	2.27	2.45*	5.04	0.75	3.60	32.32
1940	1.72	5.00	4.10	4.42	4.04	1.70	2.50	0.60	4.55	0.87	5.33	2.54	37.37
1941	3.03*	1.36	3.31	1.30	2.31	2.08	3.66*	3.17	0.06	1.98	2.43	3.29	27.98

*Interpolated.

WALPOLE, MASS. (East Walpole) (F. W. Bird & Son). Elevation, 90 feet.
Record January 1902 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.77	6.00	6.56	6.50	5.39	8.78	12.00	10.12	8.17	8.24	7.38	5.44	48.76
Year	1915	1902	1903	1904	1919	1922	1921	1917	1924	1913	1921	1920	1921
Min.	1.12	1.63	0.00	1.21	0.25	0.58	0.37	0.91	0.23	0.12	0.50	1.56	29.23
Year	1902	1903	1915	1915	1902	1913	1905	1925	1914	1905	1917	1924	1905
1929	4.62	3.84	3.31	9.19	3.61	1.82	1.07	2.14	1.64	3.26	3.48	4.76	42.74
1930	3.95	2.59	3.09	1.99	2.43	1.95	3.43	3.55	0.36	5.25	4.47	3.15	36.21
1931	3.44	3.56	5.67	3.94	4.84	9.45	2.74	4.51	1.30	2.32	0.64	2.92	45.33
1932	5.16	2.40	5.74	1.68	1.92	1.54	2.20	5.41	6.96	7.04	4.96	1.73	46.74
1933	2.15	3.81	6.24	6.78	2.58	2.24	4.71	4.00	9.65	3.30	0.99	3.82	50.27
1934	3.65	3.89	4.49	3.48	2.45	4.90	0.86	2.22	5.49	3.73	2.94	3.26	41.36
1935	6.87	3.28	1.57	7.25	2.19	5.77	2.55	1.48	2.62	0.66	4.92	1.03	40.19
1936	7.70	3.49	6.99	3.33	2.21	2.40	1.74	8.65	6.97	1.36	1.29	7.14	53.27
1937	4.27	1.95	3.47	5.03	3.03	3.94	1.31	4.43	4.08	4.36	6.12	3.43	45.42
1938	4.69	2.61	2.48	2.21	5.23	8.89	11.99	3.60	5.60	2.99	3.23	2.96	56.48
Av. 37 yrs.	3.69	3.15	3.63	3.88	2.98	3.45	3.64	3.69	3.68	3.20	3.07	3.60	41.66
1939	2.48	4.23	3.86	4.45	1.81	2.47	2.85	3.34	1.45	6.16	1.51	3.06	37.67
1940	2.34	4.23	4.13	5.33	3.75	2.58	3.33	1.62	2.77	1.10	6.09	2.29	40.06
1941	3.12	2.26	2.35	1.67	2.42	4.30	6.13	2.60	0.24	1.17	2.76	3.36	32.38

WALTHAM, MASS. (Hobbs Brook Reservoir, Cambridge Water Works). Elevation, 180 feet. Record January 1895 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.96	8.08	6.09	8.55	7.67	10.19	10.92	7.22	8.10	9.87	6.88	8.15	51.84
Year	1923	1900	1903	1904	1901	1922	1921	1898	1918	1895	1921	1901	1898
Min.	1.34	0.87	0.00	1.30	0.67	0.22	1.05	1.23	0.30	0.00	0.80	1.46	29.35
Year	1901	1895	1915	1899	1911	1912	1917	1920	1914	1924	1908	1924	1910
1929	3.34	3.32	2.85	6.78	3.00	3.48	0.70	3.64	2.11	2.58	2.75	3.83	38.38
1930	2.38	2.12	3.08	1.97	2.36	2.47	4.22	2.76	1.00	5.49	4.27	2.47	34.59
1931	3.57	2.55	5.49	2.85	3.75	6.90	1.96	5.17	1.77	2.28	1.10	3.55	40.94
1932	4.80	3.10	5.53	1.48	1.19	2.97	1.99	6.53	7.46	7.68	4.35	1.58	48.66
1933	2.22	3.75	6.80	6.04	2.01	1.36	2.59	3.02	10.26	3.47	0.83	3.24	45.59
1934	3.43	4.15	4.49	3.19	2.81	3.72	2.29	2.04	6.25	3.09	2.41	2.28	40.15
1935	6.51	3.32	1.73	4.63	0.65	5.56	1.41	1.52	4.55	0.59	4.48	1.00	35.95
1936	6.72	3.55	7.98	3.06	2.05	1.92	1.58	2.81	4.65	1.64	0.96	7.64	44.56
1937	4.36	2.11	3.22	4.78	3.34	3.90	0.91	4.98	3.49	3.05	5.33	3.95	43.42
1938	4.01	2.04	2.30	3.04	4.30	5.92	11.15	2.64	7.37	2.27	3.11	2.94	51.09
Av. 44 yrs.	3.47	3.23	3.75	3.62	2.92	3.50	3.76	3.47	3.87	3.03	3.22	3.33	41.17
1939	2.08	3.35	4.47	4.43	2.40	2.23	0.43	3.75	1.67	4.48	0.92	3.00	33.21
1940	2.10	3.45	3.30	4.95	3.50	1.86	3.20	1.27	3.60	0.90	6.36	1.78	36.27
1941	3.00	1.65	1.81	1.66	1.93	2.43	2.51	2.87	0.44	2.06	2.85	3.08	26.29

WALTHAM, MASS. (Water Works Pumping Station). Elevation, 20 feet. Record January 1880 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.84	8.54	6.92	9.64	7.95	10.82	10.63	8.52	9.59	10.73	7.85	8.10	59.58
Year	1923	1900	1903	1904	1901	1922	1889	1927	1882	1895	1921	1901	1888
Min.	1.16	0.84	0.00	0.91	0.67	0.10	0.73	0.38	0.07	0.11	0.73	1.25	28.47
Year	1916	1901	1915	1892	1911	1894	1917	1883	1914	1924	1882	1892	1894
1929	3.31	3.05	2.77	6.79	2.99	3.83	0.84	1.98	1.30	2.88	2.86	3.79	36.39
1930	2.42	2.13	2.92	2.03	2.90	1.93	3.85	2.26	0.51	5.24	4.06	2.29	32.54
1931	3.24	2.19	4.92	2.85	3.75	8.12	2.83	4.62	1.44	2.63	0.94	3.28	40.81
1932	4.23	1.77	5.22	1.42	1.16	1.95	2.32	5.61	6.23	7.31	4.54	1.64	43.40
1933	2.19	3.33	6.68	5.81	2.27	2.19	2.42	2.48	11.77	3.34	0.87	3.33	46.68
1934	3.34	2.42	4.45	2.99	2.41	4.51	1.84	2.16	7.26	3.49	2.61	2.50	39.98
1935	5.99	2.86	1.63	5.40	1.52	6.49	1.42	1.59	3.52	0.53	4.78	0.85	36.58
1936	6.80	2.93	7.46	2.99	2.40	2.35	2.75	5.50	5.19	1.60	1.37	8.33	49.67
1937	4.20	2.15	2.61	4.83	3.42	3.79	0.95	5.29	3.24	3.74	5.35	3.87	43.44
1938	3.57	1.98	2.20	3.25	4.01	5.72	11.93	3.32	6.78	2.30	2.44	2.94	50.44
Av. 59 yrs.	3.61	3.44	3.58	3.53	3.24	3.43	3.75	3.71	3.85	3.49	3.44	3.44	42.51
1939	1.84	3.74	3.60	4.79	1.45	3.25	0.60	4.41	1.51	5.10	1.03	2.99	34.31
1940	1.85	2.95	3.02	4.74	3.39	2.20	3.54	1.18	2.90	1.03	6.28	2.61	35.69
1941	2.93	1.62	1.76	1.49	2.20	4.51	2.34	3.10	0.33	1.80	2.58	2.84	27.50

WALPOLE, MASS. (Multibestos Co. & Standard Woven Fabric Co.). Elevation, 175 feet. Record January 1912 to December 1935 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.44	6.34	5.48	5.73	5.41	8.65	10.00	8.97	9.38	7.61	7.71	5.13	49.01
Year	1923	1920	1925	1923	1919	1922	1921	1927	1918	1913	1921	1915	1922
Min.	1.05	1.28	0.02	1.23	1.27	0.51	0.86	0.77	0.43	0.17	0.42	1.56*	33.02
Year	1916	1923	1915	1922	1923	1912	1917	1925	1914	1924	1917	1924	1912
1929	3.33	3.89	3.61	8.29	3.41	2.28	1.36	2.14	1.74	3.05	3.29	4.79	41.18
1930	3.17	2.80	3.31	1.70	2.52	2.03	2.51	2.89	0.39	4.99	4.08	3.32	33.71
1931	4.34	3.31	5.85	2.90	4.31	8.04	2.67	3.85	1.13	2.26	0.60	2.49	41.75
1932	5.33	2.67	5.76	1.49	1.67	1.75	2.16	4.88	6.68	5.53	5.47	1.76	45.15
1933	2.19	3.65	6.91	6.36	2.53	2.13	3.93	4.60	9.07	3.54	1.29	3.71	49.91
1934	3.87	4.27	4.24	3.76	2.51	4.38*	0.86*	2.12	6.08	3.76	2.19	3.91	41.95
1935	7.45	3.44	1.59	6.38*	1.82	5.69	2.37	1.65	2.40	0.52	4.59	0.82	38.72
Av. 24 yrs.	3.69	3.31	3.69	3.93	2.91	3.27	3.71	3.67	3.48	3.05	3.22	3.17	41.10

*Interpolated.

WALTHAM, MASS. (Boston Manufacturing Co.). Elevation, 30 feet.
Record January 1825 to February 1930 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	9.14	8.00	7.36	10.56	10.00	10.60	11.66	13.97	9.92	11.08	10.28	8.83	62.13
Year	1908	1900	1859	1904	1868	1922	1868	1856	1850	1895	1845	1901	1850
Min.	0.64	0.17	0.00	0.24	0.49	0.30	0.78	0.00	0.06	0.00	0.60	0.25	28.40
Year	1831	1856	1915	1844	1826	1912	1917	1883	1914	1924	1917	1831	1846
1929	2.49	3.31	2.97	7.46	2.10	3.80	0.73	2.23	1.13	2.80	3.27	3.91	36.26
1930	2.04	2.02											
Av.													
105 yrs.	3.29	2.94	3.54	3.77	3.47	3.26	3.69	4.12	3.42	3.57	3.85	3.28	42.20

WARE, MASS. (Ware Center). Elevation, 520 feet.
Record October 1919 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.91	5.07	4.88	6.35	5.13	9.72	7.26	7.55	5.92	4.94	6.80	5.38	52.86
Year	1923	1920	1925	1921	1927	1922	1927	1928	1920	1923	1921	1920	1920
Min.	1.42	1.98	0.93	2.25	1.61	1.82	1.58	1.80	1.33	0.15	1.64	1.08	32.28
Year	1922	1923	1924	1922	1926	1924	1924	1925	1926	1924	1928	1928	1924
1929	3.91	2.04	1.86	4.21	4.20	3.58	0.72	3.25	8.56	2.21	2.65	3.30	40.49
1930	2.49	1.45	1.89	1.04	3.51	3.73	5.86	0.84	2.99	2.32	2.88	1.86	30.86
1931	2.22	2.20	3.67	1.84	5.61	5.96	3.33	5.32	1.69	2.62	0.83	2.78	38.07
1932	4.26	2.01	4.55	2.41	1.60	3.34	2.68	4.00	3.85	4.59	4.14	2.00	39.43
1933	1.78	3.81	5.05	4.72	2.91	2.73	3.53	5.46	9.84	3.37	1.36	3.05	47.61
1934	3.12	3.91	2.09	2.38	3.78	5.64	3.46	1.85	8.57	2.95	2.73	1.61	42.09
1935	5.21	3.17	1.60	2.59	2.72	5.83	2.56	0.46	4.16	1.04	3.27	0.90	33.51
1936	5.98	2.73	7.52	2.97	3.35	5.00	2.24	5.28	5.56	2.50	1.58	6.11	50.82
1937	5.17	1.66	3.05	3.53	5.92	5.72	3.66	5.65	5.31	3.70	8.41	2.71	54.49
1938	4.18	1.79	2.14	3.45	4.30	8.23	10.14	2.60	15.70	2.27	3.07	2.93	60.80
Av.													
19 yrs.	3.36	2.70	2.94	3.40	3.37	5.05	4.18	3.86	4.86	2.78	3.58	3.03	43.11
1939	2.02	4.09	4.56	3.27	1.27	2.04	2.33	4.31	2.72	5.00	0.87	3.33	35.81
1940	2.37	3.55	3.67	5.57	4.59	3.14	2.77	2.28	1.71	0.81	5.43	2.92	38.81
1941	2.00	1.95	2.03	0.71	2.61	3.75	8.49	4.05	1.28	2.22	2.80	2.95	34.84

WARE, MASS. (West Ware). Elevation, 450 feet.
Record August 1919 to December 1939 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.95	4.32	5.52	7.61	5.55	9.63	9.04	7.10	6.50	5.10	7.08	5.59	53.52
Year	1923	1920	1922	1921	1927	1922	1927	1927	1919	1926	1927	1927	1927
Min.	1.36	1.61	1.42	1.92	1.98	2.36	2.13	1.42	0.92	0.00	1.46	0.94*	34.22
Year	1926	1923	1924	1922	1928	1924	1923	1925	1922	1924	1922	1928	1924
1929	4.34	2.89	3.08	5.35	5.03	2.96	0.64	2.64	7.33	2.13	2.79	3.73	42.91
1930	2.06	2.15	3.05	1.12	3.77	4.24	6.25	1.60	3.18	2.04	3.09	1.45	34.00
1931	2.85	1.63	3.76	2.21	6.01	4.46	3.40	6.10	2.39	3.29	1.45	2.74	40.29
1932	3.69	2.26	4.36	2.37	1.36	2.90	3.21	4.20	4.80	3.98	3.94	2.05	39.12
1933	2.31	3.55	4.17	6.23	2.66	2.30	2.61	7.12	8.60	4.39	1.53	3.27	48.74
1934	2.85	2.51	1.44	2.56	4.54	5.01	2.68	3.13	7.90	2.17	4.00	2.82	41.61
1935	4.44	2.94	1.83	3.03	1.81	5.24	2.61	0.92	4.57	1.60	3.75	1.09	33.83
1936	5.96	2.53	7.50	3.99	3.30	3.70	2.29	4.22	4.43	2.26	1.84	5.58	47.60
1937	5.13	1.97	3.12	3.68	4.34	6.30	1.86	6.41	5.15	3.48	5.78	2.47	49.69
1938	4.07	2.19	2.34	2.64	2.83	7.38	8.50	1.88	16.63	2.43	2.85	2.94	56.68
Av.													
19 yrs.	3.22	2.60	3.28	3.65	3.30	4.77	4.14	4.12	4.69	2.84	3.70	2.99	43.30
1939	2.23	3.59	3.81	4.00	1.12	3.49	2.44	3.63	2.77	4.56	0.85	3.80	36.29

*Interpolated.

WARE RIVER WATERSHED (Above Coldbrook).
Record January 1924 to December 1940 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1924	3.63	2.00	2.10	5.66	2.89	1.14	2.77	4.89	5.05	0.07	3.38	2.10	35.68
1925	2.54	2.23	5.00	2.86	2.27	4.29	4.94	1.86	5.16	4.54	3.40	2.72	41.81
1926	2.42	4.06	2.80	2.35	2.18	2.72	2.67	2.81	1.46	5.25	5.63	3.29	37.64
1927	2.61	3.34	1.54	2.12	3.94	2.62	7.32	6.95	3.39	4.76	6.97	5.91	51.47
1928	2.40	3.16	1.77	4.59	2.77	6.79	5.98	5.96	3.29	1.69	2.04	1.49	42.02
1929	4.19	3.04	3.31	5.44	4.52	3.08	0.99	1.71	2.60	2.24	2.97	2.68	36.77
1930	2.08	1.99	3.03	1.63	2.82	3.42	7.19	1.50	2.33	2.63	2.85	1.57	33.04
1931	2.40	2.44	5.12	2.91	5.15	4.68	3.50	7.61	2.25	2.97	1.39	3.34	43.76
1932	4.65	1.96	5.11	1.77	1.56	1.63	4.41	4.24	6.48	6.59	4.34	1.97	44.71
1933	2.28	3.87	5.31	5.47	2.59	2.24	2.89	5.10	10.17	4.99	1.34	2.87	49.12
1934	3.37	3.32	2.94	4.02	4.23	5.42	3.64	2.66	9.63	2.73	3.12	4.20	49.28
1935	5.37	3.14	2.30	3.10	3.07	6.23	3.55	1.10	4.80	1.21	3.74	1.24	38.85
1936	6.37	3.57	9.39	3.91	3.50	4.05	2.39	5.73	5.17	3.35	1.74	7.49	56.66
1937	5.38	2.23	2.95	4.49	4.11	5.42	2.14	5.93	4.55	3.90	6.56	2.71	50.37
1938	4.02	2.17	2.29	3.18	3.83	8.52	8.88	2.92	15.88	2.43	3.44	3.19	60.57
1939	2.28	3.04	3.73	3.60	2.68	3.46	1.35	3.72	2.13	4.58	0.93	3.43	34.93
1940	2.04	3.38	4.02	5.86	5.52	2.48	4.01	1.65	1.98	1.15	6.85	2.51	41.45
Av. 17 yrs.	3.42	2.88	3.69	3.70	3.39	4.01	4.04	3.90	5.08	3.24	3.57	3.10	44.02
1941	2.32	2.05	1.63	0.68	3.19	3.46	5.20	2.91	0.92	2.45	3.03	2.91	30.75

WAREHAM, MASS. (Onset Water Co.). Elevation, 60 feet.
Record September 1917 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.84	7.12	6.35	6.22	5.15	7.87	9.16	9.45	6.09	6.08	7.37	5.18	55.25
Year	1923	1920	1920	1924	1920	1920	1919	1922	1928	*1926	1921	1927	1919
Min.	2.00	1.91	1.64	1.59	0.91	2.07	0.90	0.53	1.06	0.17	0.79	1.58	35.59
Year	1922	1925	1927	1927	1918	1924	1924	1928	1926	1924	1917	1917	1918
1929	3.22	3.81	3.84	7.21	3.51	0.77	2.06	6.51	3.99	2.17	3.77	5.06	45.92
1930	3.79	4.45	2.39	1.66	2.64	2.66	2.71	2.43	0.50	4.00	4.54	3.54	35.31
1931	3.52	3.40	7.75	3.15	5.68	6.06	4.01	5.19	1.89	5.14	0.88	3.90	50.57
1932	6.76	2.24	4.68	1.40	2.22	3.04	3.42	3.35	6.50	4.21	6.15	2.61	46.58
1933	2.98	4.59	6.03	5.90	2.69	2.82	3.68	3.47	12.53	4.97	3.10	3.83	56.59
1934	3.47	5.71	4.89	4.20	2.37	3.01	1.46	2.27	1.55	5.14	2.85	4.28	41.20
1935	6.85	3.34	2.70	6.17	2.21	3.94	3.49	1.59	6.18	2.46	7.98	2.41	49.32
1936	7.39	2.88	6.56	3.20	2.49	5.28	2.00	5.29	7.98	3.00	1.63	9.37	57.07
1937	4.58	1.67	4.15	5.38	2.56	3.36	0.16	5.11	8.31	4.54	4.87	4.02	48.71
1938	4.00	3.37	3.20	3.67	3.90	9.81	4.67	3.42	6.78	3.84	4.16	3.61	54.43
Av. 21 yrs.	4.17	3.70	4.33	4.01	3.05	3.93	3.43	4.06	4.31	3.31	3.71	3.99	46.00
1939	4.42	5.09	7.52	5.28	2.27	4.17	0.65	6.21	2.72	3.78	2.23	2.53	46.87
1940	2.14	6.65	4.80	7.39	5.62	2.07	4.68	1.63	6.26	2.73	6.79	3.61	54.37
1941	5.66	2.52	3.69	3.57	3.74	7.54	4.09	4.42	0.15	2.74	2.33	3.62	44.07

WAREHAM, MASS. (East Wareham) (U. S. Weather Bureau).
Record January 1927 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1927	3.43	2.59	1.57	1.65	1.88	3.88	3.58	9.13	3.45	3.29	4.36	4.97	43.78
1928	3.12	4.62	2.80	3.76	2.04	4.72	5.87	0.69	6.29	1.66	1.30	4.64	41.51
1929	3.28	3.56	4.46	7.65	3.59	0.87	2.29	5.79	3.59	2.54	3.89	5.20	46.71
1930	3.75	2.69	2.16	1.58	2.67	2.49	2.72	2.43	0.36	3.76	3.93	4.90	33.44
1931	3.27	3.11	6.88	3.02	4.90	6.86	3.91	5.25	1.81	5.60	0.78	4.07	49.46
1932	6.61	2.67	4.96	1.56	2.57	3.12	2.91	3.25	6.61	4.35	6.31	2.78	47.70
1933	3.62	4.59	5.96	6.90	1.66	2.75	3.76	3.74	12.15	4.87	3.06	3.27	56.33
1934	3.65	2.89	3.64	4.99	2.33	3.00	1.37	2.29	1.36	4.91	2.48	4.13	37.04
1935	4.74	2.62	2.35	5.15	2.05	3.83	3.35	1.51	6.24	1.96	8.39	2.18	44.37
1936	7.56	2.39	6.97	3.06	2.10	4.78	1.83	4.95	7.36	3.53	1.79	9.06	55.38
1937	5.33	1.60	4.03	5.25	2.96	3.26	0.07	4.73	7.71	3.73	4.68	3.61	46.96
1938	3.76	2.60	3.29	3.92	3.67	9.65	4.83	4.14	5.55	4.39	4.14	3.54	53.48
Av. 12 yrs.	4.34	2.99	4.09	4.04	2.70	4.10	3.04	3.99	5.21	3.72	3.76	4.36	46.34
1939	4.16	3.94	7.74	4.96	2.26	2.03	2.38	3.50	4.60	3.69	2.16	2.67	44.09
1940	2.04	3.59	4.70	7.15	4.15	3.21	4.31	1.24	6.08	2.55	6.41	3.35	48.78
1941	4.94	2.06	3.48	3.21	3.15	6.62	4.05	3.42	1.11	1.77	2.21	3.29	39.31

WARREN, MASS. Elevation, 650 feet.
Record 1911 to 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.67	5.23	8.78*	5.61*	5.64	7.74	8.52*	7.65	7.18	6.03	6.49	5.88	57.41
Year	1923	1916	1920	1920	1912	1928	1915	1927	1919	1913	1927	1927	1920
Min.	1.52	1.63	0.21	1.14	1.25	0.62	0.89	2.28	0.25	0.85	1.51	1.23	35.09
Year	1916	1923	1915	1915	1923	1912	1917	1921	1914	1920	1922	1928	1914
1929	3.14	3.33	2.98	6.17	5.50	1.79	0.61	3.65	5.03	2.58	2.91	2.82	40.51
1930	1.41	1.64	2.19	1.51	3.78	2.59	4.21	1.58	3.27	2.43	2.37	1.53	28.51
1931	2.54	1.81	3.85	2.32	4.33	4.63	3.30	5.91	1.46	2.34	1.14	2.74	36.37
1932	3.78	2.36	4.42	1.97	1.57	3.21	2.11	4.33	4.51	4.21	4.10	1.70	38.27
1933	2.07	3.71	5.00	5.45	3.00	2.93	4.31	5.57	8.44	4.03	1.53	3.44	49.48
1934	3.35	2.83	3.20	3.94	4.05	6.12	4.49	3.11	10.10	2.58	2.47	2.73	48.97
1935	4.81	2.85	1.71	2.78	2.92	5.28	1.74	0.78	4.05	0.80	3.23	1.14	32.09
1936	6.09	2.60	9.92	3.98	4.17	2.71	2.69	4.00	5.38	2.24	1.45	7.16	52.39
1937	5.02	2.00	3.25	3.86	3.78	4.79	3.47	3.70	4.65	3.76	6.26	2.58	47.12
1938	4.72	2.31	2.68	3.12	3.28	8.10	8.94	3.42	15.07	2.03	3.58	2.61	59.86
Av. 22 yrs.	3.39	2.98	3.83	3.55	3.30	4.11	4.14	3.93	4.59	2.74	3.20	2.82	42.58
1939	2.05	3.84	2.82	2.92	0.82	1.93	1.31	4.52	2.00	3.04	0.59	2.04	27.88
1940	0.50	1.31	2.53	1.48	3.05	2.58	3.03	1.29	2.73	1.36	6.12	2.10	28.08
1941	2.28	2.36	1.64	0.75	2.15	3.96	6.69	3.69	0.79	1.95	2.32	3.11	31.69

*Interpolated.

WARWICK, MASS. Elevation, 1,000 feet.
Record July 1920 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.15	4.44	6.75	7.08	5.31	11.13	7.04	9.43	8.00	6.08	7.25	6.74	51.70
Year	1923	1926	1922	1924	1922	1922	1928	1928	1924	1926	1927	1920	1922
Min.	1.03	2.25	1.63	1.80	1.61	1.99	2.68	2.12	1.70	0.02	1.99	1.09	40.70
Year	1921	1923	1924	1927	1926	1924	1924	1925	1926	1924	1922	1928	1924
1929	3.78	3.89	3.39	6.10	5.54	4.38	1.01	2.57	2.41	3.16	2.80	3.60	42.63
1930	2.39	1.70	4.65	1.76	4.58	3.66	5.62	2.70	2.07	2.68	3.32	1.35	36.48
1931	2.40	1.88	3.92	3.43	6.58	4.56	2.42	5.14	2.75	3.94	1.46	3.85	42.33
1932	4.36	2.23	4.67	2.82	2.89	1.43	5.16	3.56	5.47	4.55	5.93	2.05	45.12
1933	2.53	3.36	5.81	6.26	1.90	2.38	3.70	8.12	8.02	5.02	1.18	3.78	52.06
1934	3.06	2.47	4.09	4.83	4.47	6.19	3.51	3.08	10.78	2.47	3.88	2.68	51.51
1935	4.77	2.78	1.94	2.99	2.11	5.42	4.60	1.43	6.14	1.66	4.93	1.05	39.82
1936	6.53	2.68	8.66	4.43	2.02	3.37	3.97	6.21	2.44	3.82	2.42	6.22	52.77
1937	5.63	1.87	3.98	4.68	5.76	8.05	1.91	3.32	4.58	5.46	6.84	2.32	54.40
1938	4.93	2.14	1.81	2.61	4.15	8.24	7.22	2.82	14.13	2.87	3.11	3.65	57.68
Av. 18 yrs.	3.47	2.77	3.97	4.07	3.80	4.76	4.49	4.09	4.89	3.48	4.09	3.26	47.14
1939	2.81	3.06	3.50	4.37	1.50	3.55	2.97	5.87	3.04	4.89	0.86	3.47	39.89
1940	2.30	2.74	5.11	5.83	6.13	4.30	3.55	2.35	3.67	1.37	6.44	3.47	47.26
1941	2.11	1.83	1.83	0.75	2.66	4.66	5.63	5.21	1.12	2.75	3.55	3.57	35.67

WATERTOWN, MASS. (U. S. Arsenal). Elevation, 25 feet.
Record 1836 to 1844 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.06	6.74	5.41	6.86	5.92	4.90	4.50	8.00	7.74	5.86	8.96	8.48	48.41
Year	1841	1843	1843	1839	1837	1838	1839	1843	1838	1844	1840	1839	1843
Min.	1.03	1.46	1.24	0.38	1.86	1.69	1.84	1.11	0.51	1.71	1.74	1.02	32.06
Year	1839	1841	1839	1844	1843	1844	1837	1836	1837	1837	1837	1838	1837
Av. 5 yrs.	2.30	3.40	3.03	4.36	3.77	3.86	2.77	4.96	2.79	3.77	4.09	3.98	43.08

WEBSTER, MASS. (Slater & Sons Mill). Elevation, 450 feet.
Record January 1880 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.86	6.96	8.30	6.81	6.49	8.68	10.53	8.33	10.70	8.28	7.57	9.43	56.72
Year	1891	1893	1888	1904	1906	1922	1889	1908	1918	1895	1921	1901	1888
Min.	1.08	1.05	0.10	0.56	0.42	0.50	0.70	0.75	0.35	0.17	0.59	1.33	32.36
Year	1901	1901	1915	1892	1911	1912	1893	1907	1914	1924	1917	1892	1910
1929	4.35	3.12	3.35	7.11	4.43	1.61	0.99*	1.96*	1.77*	2.66	2.83	3.54	37.72
1930	2.49	2.33	2.90	1.45	2.26	1.92	2.91	2.26	1.85	2.87	3.63	3.12	29.99
1931	2.92	2.28	5.00	2.85	3.97	6.91	2.03	5.78	1.47	2.20	0.65	3.40	39.46
1932	4.66	2.29	4.57	1.96	1.65	1.98	2.64	5.81	8.56	5.40	4.74	1.74	46.00
1933	1.89	3.84	4.55	5.18	3.08	2.05	2.86	4.34	9.88	2.98	1.28	3.19	45.12
1934	3.34	2.78	2.44	3.90	4.73	5.44	2.83	2.31	7.01	2.94	2.03	4.07	43.82
1935	5.03	2.43	1.75	2.64	1.91	7.96	3.04	1.17	3.25	0.33	8.77	0.76	34.02
1936	8.34	2.73	10.73*	3.28	3.11	1.63	1.62	5.81	4.27	3.70	1.46	7.83	54.51
1937	5.20	1.71	2.94	3.90	2.66	3.75	2.36	5.94	4.26	4.62	7.23	2.71	47.28
1938	4.19	2.15	2.32	2.34	3.88	7.14	9.66	3.50	12.96	1.66	2.45	3.19	55.44
Av. 59 yrs.	3.68	3.61	3.99	3.37	3.25	3.44	3.66	3.83	3.82	3.22	3.33	3.64	42.84
1939	2.86	4.02	3.65	4.17	0.61	3.45	1.42	6.96	3.01	4.74	0.89	3.44	39.22
1940	2.55	3.60	3.75	4.91	4.64	3.18	4.42	1.20	3.17	1.62	6.27	2.24	41.55
1941	2.23	2.01	1.86	1.20	3.67	3.37	4.67	3.88	0.58	1.83	3.06	2.41	30.77

*Interpolated.

WELLESLEY, MASS. (Wellesley College). Elevation, 160 feet.
Record 1886 to 1895 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.10	8.82	8.20	5.36	5.72	3.92	9.21	6.72	9.05	9.95	7.92	6.83	60.07
Year	1887	1886	1890	1889	1893	1887	1889	1888	1888	1890	1888	1888	1888
Min.	2.50	1.79	1.24	0.83	1.32	1.06	1.88	2.69	1.36	1.71	1.98	1.11	37.18
Year	1890	1889	1894	1892	1887	1888	1890	1890	1887	1892	1887	1892	1892
Av. 8 yrs.	4.66	4.69	4.94	3.19	3.62	2.42	4.33	4.71	4.08	4.15	4.02	3.84	48.65

WENDELL, MASS. Elevation, 1,200 feet.
Record October 1919 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.67	5.48	4.75	9.55	4.90	13.47	6.72	8.03	8.12	6.71	9.38	5.69	52.92
Year	1923	1920	1922	1921	1922	1922	1928	1928	1920	1923	1927	1920	1920
Min.	1.41	1.71	1.03	1.69	1.18	1.70	1.67	2.70	1.63	0.00	2.17	0.97	35.52
Year	1922	1923	1927	1927	1926	1924	1920	1925	1926	1924	1922	1928	1924
1929	4.41	3.75	2.88	6.79	5.25	3.37	1.00	1.67	4.78	3.34	3.17	3.16	43.57
1930	1.68	1.54	4.34	1.64	4.80	4.30	5.19	1.80	2.33	1.89	3.60	1.11	34.22
1931	2.55	1.89	3.41	3.26	5.99	5.35	3.18	5.47	2.53	5.41	1.70	3.32	44.06
1932	3.45	2.04	3.21	3.03	2.48	1.85	5.65	4.15	4.63	5.25	6.79	1.70	44.23
1933	2.58	4.21	5.72	5.42	3.08	2.59	2.24	9.29	8.78	4.89	1.05	3.23	53.08
1934	3.32	2.25	4.46	5.05	4.31	5.86	2.54	3.00	10.71	3.00	4.46	3.59	52.55
1935	4.34	2.55	1.62	3.11	3.11	6.28	2.29	0.88	4.83	1.62	4.69	1.93	37.25
1936	6.89	2.74	8.42	5.80	1.67	4.55	3.15	5.95	4.70	3.42	2.35	6.48	56.12
1937	5.63	2.75	3.55	6.75	6.10	6.75	3.25	5.13	6.44	5.79	7.07	3.20	62.41
1938	5.51	2.15	2.17	3.16	4.76	8.51	7.18	3.91	14.25	2.83	3.56	4.02	62.01
Av. 19 yrs.	3.56	2.81	3.51	4.40	3.81	5.03	3.90	4.30	5.40	3.49	4.33	3.18	47.72
1939	2.96	3.83	4.32	4.74	1.78	3.78	2.27	3.05	2.69	5.00	1.10	3.58	39.10
1940	2.84	3.17	5.83	5.89	6.86	3.42	4.48	2.31	2.72	1.34	6.32	3.88	49.06
1941	2.59	1.82	2.19	1.00	2.41	4.48	5.85	3.20	0.95	2.44	3.52	4.47	34.92

WESTBOROUGH, MASS. Elevation, 298 feet.
Record January 1875 to December 1925 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.83*	8.20	8.79	8.25	6.93	10.37	11.75	9.02	10.31	10.85	9.64	6.95	55.33
Year	1915	1900	1877	1901	1901	1903	1921	1898	1918	1890	1921	1901	1878
Min.	1.40	0.89	0.07*	0.70	0.97	0.41	0.97	0.90	0.25	0.62	0.99	0.50	33.61
Year	1876	1877	1915	1892	1903	1921	1888	1907	1914	1897	1908	1875	1883
Av. 51 yrs.	3.71	3.93	4.16	3.51	3.40	3.37	3.79	3.86	3.32	3.65	3.84	3.47	44.01

*Interpolated.

WEST BROOKFIELD, MASS. Elevation, 630 feet.
Record January 1913 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.93	5.14	8.78	5.97	6.44	6.16	8.52	8.38	9.00	6.66	7.03	5.64	56.06
Year	1923	1924	1920	1921	1919	1916	1915	1927	1919	1917	1927	1920	1920
Min.	1.15	1.53	0.15	1.27	1.21	0.48	1.20	2.30	0.22	0.14	1.58	1.02	33.76
Year	1922	1921	1915	1915	1923	1919	1917	1920	1914	1924	1922	1917	1924
1929	3.35	2.62	3.14	5.29	4.87	2.65	0.85	2.83	4.37	2.83	2.70	2.78	38.28
1930	1.56	2.18	2.62	1.45	3.16	2.00	5.68	1.28	2.53	2.61	2.33	1.55	28.95
1931	2.55	2.08	3.96	2.13	4.44	4.26	2.98	8.74	1.43	2.47	0.76	3.39	39.19
1932	3.32	2.56	2.65	1.57	1.35*	3.20	2.66	4.77	4.51	3.74	3.67*	1.51*	35.51
1933	1.31	3.47	4.94	4.43	2.52	5.17	2.73	3.53	9.81	3.86	1.47	2.80	46.04
1934	2.98	2.19	2.74	3.01	4.39	3.48	1.22	2.57	10.14	2.52	2.08	2.02	39.34
1935	5.06	3.67	1.85	2.27	2.60	4.74	1.56	0.57	3.46	0.87	3.40	1.18	31.23
1936	5.14	2.07	10.95	3.93	3.94	3.58	2.98	4.04	6.04	1.76	1.43	6.19	52.05
1937	3.74	1.44	2.15	3.30	3.70	4.78	3.35	3.74	4.74	4.13	6.84	2.22	44.13
1938	3.69	2.10	2.32	2.80	3.85	7.82	8.82	2.51	16.45	1.82	2.83	2.77	57.78
Av. 26 yrs.	3.02	2.87	3.54	3.26	3.19	3.90	4.22	3.89	4.59	2.86	3.26	2.77	41.37
1939	1.95	3.84	2.81	3.48	1.86	2.66	1.81	3.51	1.59	5.57	0.63	3.15	32.86
1940	0.57	2.44	4.70	5.69	4.54	1.57	3.35	1.89	1.86	1.24	5.51	2.30	35.66
1941	1.87	2.20	1.08	0.65	1.73	1.71	6.34	3.97	0.76	2.05	2.38	2.65	27.39

*Interpolated.

WESTFIELD, MASS. (West Parish Filters, Springfield Water Works). Elevation, 475 feet.
Record January 1906 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.52	6.75	6.91	8.72	7.08	8.73	7.30	8.88	11.08	9.29	9.79	6.91	66.29
Year	1915	1916	1922	1924	1919	1920	1928	1928	1907	1917	1927	1915	1920
Min.	1.68	1.40	0.27	1.80	1.42	0.71	1.38	1.50	0.24	0.05	0.40	1.23	38.86
Year	1922	1906	1915	1910	1911	1912	1913	1907	1914	1924	1908	1928	1910
1929	4.64	4.99	3.63	8.05	4.16	1.22	0.45	1.28	2.27	5.54	2.97	4.12	43.32
1930	2.24	2.00	4.74	2.62	4.74	7.22	3.50	2.59	2.10	2.04	5.68	2.36	41.83
1931	3.93	2.42	4.60	3.16	9.25	5.22	4.01	4.43	1.31	2.43	1.57	3.34	45.67
1932	5.31	2.58	5.46	2.30	2.16	5.14	5.68	3.02	3.25	7.46	8.93	1.92	53.21
1933	2.38	3.98	7.08	5.41	1.87	2.45	2.06	8.22	8.23	3.20	1.11	4.31	50.30
1934	4.20	5.00	4.91	4.61	5.36	5.76	2.15	6.07	12.72	2.88	4.68	3.72	62.06
1935	4.69	3.13	2.03	1.99	2.48	5.93	3.03	0.52	5.13	0.71	4.49	1.37	35.50
1936	6.47	3.29	9.99	4.56	2.13	2.84	1.10	4.85	4.83	3.58	1.80	6.99	52.43
1937	5.99	3.05	3.66	4.69	5.31	5.49	3.66	4.36	4.32	6.10	7.38	3.43	57.44
1938	5.61	2.34	2.75	3.25	4.66	8.96	8.40	3.08	11.42	2.56	3.71	4.17	60.91
Av. 33 yrs.	3.89	3.78	4.04	4.06	3.95	4.17	3.79	4.25	4.43	3.80	4.21	3.79	48.16
1939	2.91	4.52	4.58	4.51	1.02	3.12	2.02	6.63	2.69	4.06	1.33	2.83	40.22
1940	3.49	4.41	5.37	6.13	7.31	3.02	2.58	2.49	2.01	1.55	6.70	2.95	48.01
1941	3.04	3.58	2.37	1.00	3.27	6.37	5.78	4.02	0.93	2.36	3.43	4.90	41.05

WESTFIELD, MASS. Elevation, 150 feet.
Record January 1918 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.75	5.22	6.65	7.40	7.42	7.68	6.88	8.59	7.56	6.78	7.55	6.30	61.62
Year	1923	1926	1919	1924	1919	1920	1928	1928	1918	1923	1927	1920	1920
Min.	2.26	2.00	1.06	2.02	2.04	1.54	1.67	1.22	1.60	0.04	0.86	1.00	38.21
Year	1922	1923	1924	1927	1926	1926	1924	1925	1921	1924	1922	1928	1924
1929	4.58	4.32	3.10	7.93	4.33	1.19	0.52	2.14	2.20	4.68	2.92	3.84	41.75
1930	2.15	1.64	4.39	1.89	4.66	5.40	5.54	2.03	2.21	1.78	4.71	1.61	38.01
1931	3.68	2.04	4.77	2.85	7.25	5.28	5.45	4.43	1.33	2.38	1.50	3.27	44.18
1932	4.81	2.94	5.33	1.86	2.05	5.81	5.60	3.05	3.31	5.57	8.25	1.56	50.14
1933	2.44	3.75	6.79	5.29	2.05	2.95	1.93	8.33	8.97	3.06	0.96	3.94	50.46
1934	3.64	3.29	4.63	4.81	4.78	6.43	2.08	5.63	13.00	2.83	3.77	3.67	58.56
1935	5.10	3.02	1.88	2.13	2.23	5.09	4.23	0.67	5.19	0.83	4.55	0.98	35.90
1936	6.50	2.94	9.42	4.11	2.31	3.80	0.94	4.18	4.19	2.95	1.80	6.06	49.20
1937	5.54	2.42	3.95	4.55	5.69	5.44	2.40	4.45	4.08	4.70	6.29	2.61	52.12
1938	5.89	2.05	1.91	2.62	4.13	8.46	9.99	2.58	10.42	2.37	3.83	4.03	58.28
Av. 21 yrs.	3.95	3.17	4.04	3.87	3.77	4.51	4.21	4.14	4.52	3.01	4.22	3.35	46.76
1939	2.95	3.93	4.90	4.32	0.91	3.29	1.77	6.87	3.45	4.24	1.56	2.97	41.16
1940	2.26	4.10	5.39	6.22	7.01	2.66	2.48	2.15	1.98	1.55	6.48	2.50	44.78
1941	2.93	3.25	2.34	0.99	2.79	7.00	7.55	3.26	0.64	1.89	3.53	4.26	40.43

WESTFIELD, MASS. (State Sanatorium). Elevation, 210 feet.
Record January 1930 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1930	2.34	1.24	4.30	2.02	4.77	6.34	4.15	2.51	1.59	1.94	3.85	2.30	37.35
1931	4.08	2.48	5.23	2.91	6.33	7.12	3.90	4.78	0.69	1.44	1.68	2.99	43.63
1932	4.35	3.06	4.62	1.24	1.45	5.84	4.26	3.02	3.30	6.15	8.23	1.77	47.29
1933	2.71	4.22	5.92	5.80	1.84	2.22	2.11	5.90	7.53	3.08	0.86	3.88	46.07
1934	4.23	3.09	2.42	6.23	3.89	5.88	2.62	5.90	12.41	2.40	4.22	3.20	56.49
1935	5.86	3.42	2.01	2.11	2.17	5.17	3.32	0.76	3.82	0.53	3.60	0.91	33.68
1936	6.62	3.22	8.35	4.49	3.23	4.10	1.41	5.12	2.63	5.00	1.99	6.46	52.62
1937	5.33	3.05	4.14	4.77	5.21	4.84	6.45	5.79	3.74	5.15	6.33	3.13	57.93
1938	6.69	2.68	2.33	3.42	4.47	8.54	10.06	2.79	12.34	3.02	3.59	4.37	64.30
Av. 9 yrs.	4.69	2.94	4.37	3.67	3.71	5.56	4.25	4.06	5.34	3.19	3.82	3.22	48.82
1939	2.98	4.06	3.89	4.06	1.03	2.68	1.27	5.64	3.14	3.89	1.20	3.11	36.95
1940	3.30	3.15	4.90	5.81	6.36	2.82	2.41	1.88	2.00	1.26	6.15	2.52	42.56
1941	2.38	3.32	1.82	1.07	2.61	4.95	6.63	3.58	0.73	1.56	3.39	4.10	36.14

WESTHAMPTON, MASS. (White Reservoir, Holyoke Water Works). Elevation, 750 feet.
Record January 1919 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.11	4.65	6.92	6.81	8.18	8.05	6.83	7.97	8.11	7.11	8.22	6.80	57.52
Year	1923	1920	1922	1924	1919	1922	1925	1928	1924	1923	1927	1920	1920
Min.	1.81	2.16	1.02	2.12	1.46	1.53	1.66	1.89	1.94	0.34	1.28	1.42	37.69
Year	1922	1928	1924	1927	1926	1924	1920	1923	1926	1924	1922	1928	1921
1929	4.17	4.16	2.85	7.15	3.27	2.37	0.85	1.53	2.36	4.97	2.89	3.39	39.96
1930	2.24	1.07	3.39	1.88	4.98	7.15	3.87	3.35	2.15	2.23	4.75	2.03	39.09
1931	3.17	1.59	5.41	3.23	8.89	6.28	6.21	4.82	2.06	2.61	1.48	2.91	48.66
1932	3.81	3.43	4.94	2.00	1.54	3.44	3.56	3.48	3.00	7.42	8.74	2.82	48.18
1933	2.49	4.44	5.09	3.89	1.58	3.12	2.66	7.55	8.96	3.71	1.03	3.16	47.68
1934	3.27	1.36	2.61	6.06	4.47	6.89	1.69	4.55	10.67	2.41	3.90	3.27	51.15
1935	5.16	2.58	1.86	2.28	2.31	5.69	4.43	0.74	4.29	0.72	4.54	1.34	35.94
1936	5.65	2.47	10.73	4.20	2.75	1.83	2.08	4.46	3.51	5.12	1.86	6.40	51.06
1937	5.14	3.39	3.29	4.44	5.60	5.86	6.20	6.30	4.67	6.33	6.90	2.43	60.55
1938	6.29	1.74	2.31	2.95	3.94	9.30	8.10	2.17	14.07	2.74	2.96	3.71	60.28
Av. 20 yrs.	3.44	2.89	3.85	3.92	4.03	4.73	3.93	4.03	4.69	3.49	4.33	3.04	46.37
1939	2.41	3.86	4.12	5.08	0.75	4.36	2.92	5.98	3.27	3.97	1.16	2.61	40.49
1940	2.80	3.13	4.98	5.64	7.71	2.61	3.11	2.69	2.23	1.46	5.57	2.80	44.73
1941	2.48	3.53	1.57	0.72	2.63	4.42	6.45	2.44	2.58	2.21	3.54	5.15	37.72

WESTMINSTER, MASS. (Meetinghouse Pond, Fitchburg Water Works). Elevation, 980 feet.
Record December 1915 to December 1928 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.22	5.47	5.84	6.95	7.26	9.85	8.88	6.02	8.81	7.11	7.33	6.10	54.11
Year	1923	1916	1925	1920	1919	1922	1921	1927	1918	1917	1927	1915	1920
Min.	1.41	1.10	1.43	1.87	0.98	1.10	1.00	2.32	1.15	T	1.16	1.71	37.23
Year	1922	1923	1924	1918	1923	1919	1917	1916	1926	1924	1917	1928	1924
Av. 13 yrs.	2.89	3.36	3.25	3.91	3.88	4.64	4.64	3.67	4.07	3.07	4.17	3.31	44.86

WESTMINSTER, MASS. (Wachusett Lake, Fitchburg Water Works). Elevation, 880 feet.
Record December 1914 to December 1935 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.03	6.35	6.21	7.39	7.51	9.35	12.01	9.49	8.11	7.26	7.57	6.83	54.22
Year	1923	1916	1925	1924	1919	1922	1915	1915	1918	1917	1921	1915	1920
Min.	1.35	2.27	0.04	1.36	0.38	1.10	0.95	1.67	1.10	T	0.93	1.74	37.96
Year	1916	1923	1915	1917	1923	1919	1917	1917	1926	1924	1917	1919 & 1928	1926
1929	1.74	4.59	2.92	7.04	4.51	3.04	1.38	2.20	1.93	3.58	2.85	3.01	38.79
1930	2.06	1.84	3.89	2.30	2.90	3.53	3.09	1.78	1.76	3.22	4.26	2.16	32.79
1931	3.34	3.12	6.13	3.10	3.30	6.76	3.15	8.09	2.56	2.57	1.63	3.79	47.54
1932	5.33	2.57	5.08	2.85	1.25	1.94	4.21	3.67	7.86	8.97	5.38	2.09	51.20
1933	2.43	2.54	7.55	8.53	2.60	1.63	3.20	5.47	10.11	4.42	1.36	3.80	53.64
1934	3.86	3.09	2.85	6.28	4.61	7.09	1.30	2.18	10.84	2.46	2.21	4.28	51.05
1935	6.08	2.99	1.59	3.44	2.90	5.74	4.61	1.38	4.89	1.80	4.34	0.94	40.70
Av. 21 yrs.	3.59	3.52	3.67	4.15	3.63	4.26	4.09	3.78	4.63	3.34	4.00	3.45	46.11

WESTON, MASS. (Stony Brook Reservoir, Cambridge Water Works). Elevation, 60 feet.
Record January 1890 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.78	10.31	8.78	9.48	7.56	10.40	9.54	8.89	9.39	8.89	7.67	7.38	53.22
Year	1923	1900	1899	1904	1901	1922	1915	1927	1918	1890	1921	1901	1890
Min.	1.18	1.17	T	0.89	0.63	0.26	0.98	1.18	0.17	0.13	1.06	1.11	32.32
Year	1916	1901	1915	1892	1911	1912	1917	1910	1914	1924	1902	1892	1910
1929	3.51	3.91	2.75	7.58	2.97	3.97	0.93	2.12	1.21	3.03	3.15	3.90	39.03
1930	2.60	2.26	3.28	2.19	3.23	2.31	4.00	2.63	0.59	5.21	4.20	2.48	34.98
1931	4.61	3.44	5.95	3.41	3.98	8.41	3.05	4.91	1.46	2.18	0.99	3.54	45.93
1932	4.55	2.53	5.67	1.44	1.15	2.18	2.22	5.38	6.67	8.22	4.82	1.66	46.49
1933	2.26	3.88	6.82	6.20	2.19	2.01	2.44	2.88	11.31	4.17	1.00	3.95	49.11
1934	4.07	3.18	3.35	4.42	2.47	4.16	1.99	2.27	6.87	3.21	2.14	3.11	41.24
1935	4.61	1.24	1.70	5.95	1.54	7.18	1.46	1.88	3.69	0.57	5.14	0.97	35.93
1936	5.54	5.57	7.54	3.23	2.26	2.35	1.76	5.15	3.77	3.49	1.17	8.65	50.48
1937	4.34	2.54	3.25	5.28	3.50	3.74	1.08	4.85	3.54	3.68	6.05	4.02	45.87
1938	4.94	3.26	2.77	3.44	4.42	5.74	12.12	3.35	7.15	2.56	3.31	3.15	56.21
Av. 49 yrs.	3.68	3.61	4.09	3.73	3.10	3.52	3.52	3.76	3.87	3.36	3.45	3.65	43.34
1939	2.84	4.24	6.14	5.26	1.40	3.40	0.71	4.80	1.51	2.61	3.65	3.48	40.04
1940	2.38	6.67	3.49	5.49	3.72	2.26	3.36	1.34	3.04	1.05	6.73	3.44	42.97
1941	4.33	1.72	4.19	1.43	2.13	4.43	2.54	2.19	1.32	2.06	2.85	3.08	32.27

WESTON, MASS. Elevation, 120 feet.
Record August 1896 to April 1907 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.19	8.17	6.69	9.48	8.28	7.93	5.76	7.15	7.99	7.15	6.32	7.81	53.87
Year	1898	1900	1899	1904	1901	1903	1901	1898	1905	1898	1897	1901	1898
Min.	1.49	1.61	1.72	1.50	0.81	1.12	1.93	2.41	2.11	0.39	0.92	1.30	37.34
Year	1901	1901	1907	1899	1903	1901	1904	1896	1903	1897	1902	1896	1899
Av. 10 yrs.	3.60	3.81	4.54	4.10	3.49	3.42	3.82	3.87	4.17	3.06	3.10	3.87	44.85

WESTON, MASS. (Weston College).
Record January 1929 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1929	2.73	1.64	2.75*	7.89	4.02	3.47	0.88	2.74	2.18	3.16	3.23	2.45	37.14
1930	2.32	0.99	2.04	1.91	3.36	2.78	3.87	2.06	1.06	4.79	3.84	2.58	31.60
1931	3.91	1.70	4.49	3.10	3.95	7.64	2.42	5.52	1.50	2.56	1.59	3.84	42.22
1932	4.17	2.73	4.98	1.73	1.53	3.66	2.39	6.24	9.75	8.22*	5.55	1.77	52.72
1933	1.88	4.59	6.29	6.90	1.75	2.37	3.16	2.39	11.08	3.96	0.96*	3.63	48.96
1934	3.52	3.59	3.56	5.17	3.34	4.95	2.49	2.54	8.03	3.22	1.88	1.29	43.58
1935	5.34	7.39	1.73	4.70	1.36	5.61	1.79	2.12	4.18	0.53	3.91	1.18	39.84
1936	4.52	3.19	6.51	3.23	2.53	2.32	1.31	4.57	3.92	3.59	1.05	3.13	39.87
1937	3.59	2.44	3.54	5.14	3.55	4.33	1.26	5.22	2.91	3.18	5.93	3.76	44.85
1938	5.05	1.95	2.22	2.81	4.19	5.93	12.30	4.79	8.38	2.09	2.65	3.04	55.40
Av. 10 yrs.	3.70	3.02	3.81	4.26	2.96	4.30	3.19	3.82	5.30	3.53	3.06	2.67	43.62
1939	2.25	3.28	4.43	4.72	2.18	3.49	0.97	4.32	1.43	5.14	1.01	2.32	35.54
1940	———	3.59	3.62	5.49	4.14	2.23	3.54	1.05	3.51	0.97	6.75	3.21	———
1941	3.68	2.02	3.05	1.27	2.24	3.59	2.41	1.99	1.27	1.88	2.66	3.04	29.10

*Interpolated.

WILLIAMSBURG, MASS. Elevation, 550 feet.
Record January 1913 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.72	5.20	6.48	6.15	8.17	7.83	9.34	8.06	9.69	8.46	8.26	8.22	53.57
Year	1915	1916	1922	1920	1919	1922	1915	1915	1924	1917	1927	1915	1920
Min.	1.32	1.78	0.11	1.95	1.34	1.16	1.83	1.73	0.28	0.05	1.65	0.88	35.55
Year	1922	1923	1915	1927	1915	1918	1913	1921	1914	1924	1922	1928	1914
1929	3.52	3.71	2.63	5.87	4.11	2.99	0.57	1.64	3.26	3.89	2.53	2.75	37.47
1930	1.55	1.22	4.48	2.26	4.77	6.37	4.59	3.62	1.28	2.38	4.22	1.07	37.81
1931	2.89	1.58	4.45	3.04	9.80	5.64	5.03	3.88	1.57	2.63	1.81	3.77	46.09
1932	4.59	1.87	3.84	2.16	1.30	2.62	4.14	4.58	2.72	6.75	8.90	1.54	45.01
1933	2.14	3.18	5.17	5.27	2.36	2.85	1.97	8.33	10.54	3.56	1.15	2.88	49.40
1934	3.89	2.47	4.43	4.72	4.18	6.04	1.85	4.53	11.00	2.57	3.41	3.36	52.45
1935	3.12	1.62	0.98	2.27	2.59	5.48	2.38	1.09	4.46	1.16	3.81	1.34	30.30
1936	5.68	2.02	9.57	4.47	1.75	2.43	1.83	5.10	5.36	3.26	1.82	5.86	49.15
1937	5.18	3.14	2.99	3.89	6.46	6.73	2.76	5.49	3.79	5.89	6.57	2.88	55.77
1938	5.52	1.43	2.22	3.17	4.38	8.12	7.49	2.84	13.23	2.60	2.66	4.19	57.85
Av. 26 yrs.	3.33	2.79	3.50	3.69	3.93	4.32	3.88	3.98	4.40	3.41	3.87	3.19	44.29
1939	2.46	3.26	4.40*	6.02	1.37	5.06	3.35	3.44	3.72	3.32	2.24	2.49	41.13
1940	2.57	2.10	4.32	3.52	6.38	2.70	3.11	1.86	2.15	1.09	5.32	2.52	37.64
1941	1.44	2.17	1.16	0.50	1.82	4.56	7.97	4.10	1.57	2.25	3.78	5.24	36.56

*Interpolated.

WILLIAMSTOWN, MASS. (Williams College). Elevation, 711 feet.
Record 1854 to 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	7.33	6.19	9.95	5.76	6.25	9.07	10.82	14.79	7.04	12.93	9.39	6.63	54.51
Year	1859	1881	1874	1901	1856	1903	1887	1876	1882	1855	1927	1855	1855
Min.	0.71	0.22	0.21	0.40	0.63	0.87	0.37	0.65	0.38	0.07	0.80	0.10	30.48
Year	1896	1877	1855	1892	1903	1913	1868	1865	1908	1924	1874	1874	1908
1929	3.34	3.28	4.68	5.98	3.32	3.74	1.33	1.12	1.89	1.53	2.29	2.78	35.28
1930	2.82	1.63	3.67	1.45	2.52	2.80	4.23	1.40	2.27	1.69	3.24	1.33	29.05
1931	2.79	1.25	2.24	2.71	4.53	5.42	5.45	3.53	4.41	2.08	1.83	3.51	39.75
1932	4.33	2.40	3.33	2.02	2.46	2.34	4.78	4.16	1.96	3.38	4.03	2.62	37.81
1933	2.26	2.82	3.20	5.14	1.68	2.58	1.95	6.28	6.97	2.96	1.41	3.35	40.60
1934	3.03	3.06	2.64	4.33	3.21	7.30	2.45	2.01	3.97	2.30	4.46	2.53	41.29
1935	5.02	2.50	2.52	2.26	2.30	4.45	5.77	1.47	3.64	1.16	5.28	1.29	37.66
1936	4.41	1.89	7.90	3.72	3.21	3.05	1.90	6.89	1.97	3.50	2.78	4.24	45.46
1937	4.28	2.16	2.90	2.84	5.09	4.86	2.99	1.80	8.19	4.77	3.57	1.75	45.20
1938	3.49	2.03	1.68	3.19	2.69	5.59	7.20	4.03	9.85	1.43	3.22	3.08	47.48
Av. 62 yrs.	2.73	2.37	2.89	2.91	3.09	3.67	4.24	4.12	3.54	2.97	3.13	2.86	38.52
1939	2.46	2.84	2.97	4.45	1.29	2.19	2.91	4.63	2.81	5.00	1.82	2.14	35.51
1940	1.88	2.08	3.67	5.04	4.42	2.94	4.31	1.42	6.36	1.14	4.84	3.65	41.75
1941	1.29	1.92	0.98	0.21	2.55	2.52	5.80	1.62	2.81	2.38	1.69	2.42	26.19

WILMINGTON, MASS. (Wilmington Water Works).
Record December 1933 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1933	———	———	———	———	———	———	———	———	———	———	———	2.68	———
1934	2.92	3.59	4.77	3.05	2.58	4.88	1.20	1.85	5.69	3.38	2.60	2.37	38.88
1935	6.16	2.56	1.55	4.06	1.22	5.81	1.83	1.22	4.13	0.58	4.66	0.90	34.68
1936	5.88	2.71	6.65	3.39	2.22	2.76	2.01	5.31	4.24	1.93	1.27	7.92	46.29
1937	4.23	1.85	3.25	3.88	2.86	3.31	0.96	4.38	2.91	4.34	4.86	4.07	40.90
1938	3.79	1.94	1.86	2.67	3.48	6.54	11.49	2.73	8.38	2.46	2.43	2.81	50.58
Av. 5 yrs.	4.60	2.53	3.62	3.41	2.47	4.66	3.50	3.10	5.07	2.54	3.16	3.61	42.27
1939	1.45	3.00	3.41	4.32	2.46	3.40	0.47	3.49	3.05	4.65	0.96	2.94	33.60
1940	1.98	3.34	3.29	4.44	3.56	1.92	2.31	1.05	3.59	1.10	6.03	2.57	35.18
1941	2.35	1.68	1.25	1.42	1.84	2.11	3.65	3.02	0.15	2.08	1.80	3.58	24.93

WINCHENDON, MASS. Elevation, 975 feet.
Record August 1893 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.23	6.19	6.63	7.43	6.55	12.00	10.25	8.64	8.36	7.40	8.31	7.98	54.79
Year	1923	1900	1896	1921	1919	1922	1897	1917	1907	1911	1927	1901	1920
Min.	1.14	0.68	0.05	1.23	0.75	0.83	0.98	1.06	0.68	0.03	1.00	1.37	30.72
Year	1896	1895	1915	1899	1911	1912	1913	1894	1914	1924	1902	1928	1908
1929	4.46	3.21	3.50	5.42	4.37	4.31	1.29	2.61	1.71	2.17	2.52	3.04	38.61
1930	2.29	2.05	3.82	1.45	2.95	3.32	6.28	1.97	2.05	2.61	3.13	1.38	33.30
1931	2.40	1.78	4.52	2.71	4.71	3.86	2.23	5.08	2.61	4.51	1.57	4.01	39.99
1932	5.09	2.17	4.84	1.98	2.11	1.54	3.51	3.20	5.18	4.73	3.89	1.81	40.05
1933	3.10	3.89	5.64	6.10	1.97	2.03	3.30	4.99	7.76	4.21	1.79	3.59	48.37
1934	3.04	2.82	3.55	3.62	3.55	5.65	3.19	2.73	7.38	2.78	3.53	3.41	45.25
1935	4.88	2.90	2.03	2.99	2.51	5.02	4.87	1.08	5.44	1.33	4.05	0.93	38.03
1936	5.94	2.49	8.52	3.74	2.61	2.83	3.46	5.78	2.55	2.93	2.14	6.57	49.56
1937	5.75	1.75	3.43	4.22	5.37	6.80	2.00	4.99	3.37	3.84	5.97	2.46	49.95
1938	4.49	2.14	2.10	2.90	3.26	7.68	8.94	3.51	15.59*	2.05	3.30	3.72	59.98
Av. 45 yrs.	3.28	2.88	3.63	3.41	3.13	3.83	4.22	3.98	4.25	3.10	3.47	3.34	42.52
1939	2.98	3.64	3.15	4.27	1.34	2.38	4.92	3.67	1.79	3.94	0.79	3.48	36.35
1940	2.01	3.35	5.04	5.71	5.81	2.58	2.55	1.89	2.35	1.14	6.19	3.48	42.10
1941	2.41	1.84	1.21	1.02	2.17	2.84	4.61	4.42	0.77	2.64	3.07	2.08	29.08

*Interpolated.

WINCHESTER, MASS. (North Reservoir). Elevation, 90 feet.
Record January 1875 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1875	3.24	3.62	5.76	4.46	3.89	7.73	3.84	3.50	3.32	5.06	5.62	0.97	51.01
1876	1.63	3.67	8.72	4.37	2.83	1.09	8.67	0.87	4.49	1.90	6.64	2.12	47.00
1877	3.07	0.76	6.72	3.44	3.17	1.69	2.30	5.94	0.39	7.61	7.11	0.89	43.09
1878	5.67	5.72	3.86	5.09	0.69	2.69	3.66	7.57	3.12	4.76	5.61	4.65	53.09
1879	1.82	2.73	3.52	4.65	1.86	3.98	2.39	5.48	1.00	0.77	3.74	3.74	35.68
1880	2.62	4.23	2.49	2.18	2.02	1.49	7.23	3.64	1.42	1.70	1.90	2.50	33.42
1881	6.32	3.05	4.49	1.54	2.59	5.65	2.92	0.57	2.03	1.18	3.15	3.38	36.87
1882	3.93	6.39	2.66	2.13	4.58	2.06	2.77	1.05	8.45	1.45	1.76	2.26	39.49
1883	2.29	3.16	2.17	2.42	3.60	1.62	2.54	0.85	1.44	4.20	1.98	3.36	29.63
1884	5.04	4.97	4.30	3.12	3.00	2.05	3.41	5.07	1.28	2.51	1.98	4.69	41.42
1885	2.29	3.51	1.14	3.33	3.90	2.01	1.80	5.15	1.32	5.60	6.38	2.01	38.44
1886	6.40	7.20	3.72	1.91	2.78	1.56	2.26	6.72	7.79	4.73	6.30	4.94	56.31
1887	4.27	4.81	5.41	4.90	1.66	2.71	6.74	4.76	1.46	3.02	3.16	3.43	46.33
1888	3.80	3.25	4.53	2.82	4.96	2.21	3.70	3.48	3.04	2.78	4.06	4.99	43.62
1889	4.60	3.74	4.00	2.88	4.85	2.11	2.11	5.97	8.20	4.87	6.68	5.12	55.13
1890	2.60	3.39	6.21	2.49	6.41	3.42	2.27	3.56	3.50	8.39	1.41	4.32	47.97
1891	6.32	4.51	5.93	2.73	2.17	4.33	3.02	3.30	2.37	4.53	2.43	3.20	44.84
1892	4.49	3.03	3.76	0.74	4.88	4.26	1.54	4.49	1.61	0.91	4.10	1.10	34.91
1893	2.26	3.36	1.92	3.09	5.18	1.81	1.94	5.91	2.07	3.86	1.85	4.31	37.56
1894	3.23	2.73	0.96	2.60	4.24	0.31	3.14	1.24	1.97	4.93	3.58	4.18	33.11
1895	3.26	0.44	2.58	3.91	3.59	3.89	4.13	5.56	2.56	9.70	6.02	2.64	48.28
1896	1.98	3.81	7.14	1.56	1.89	2.18	2.00	2.32	7.99	3.01	2.51	2.18	38.57
1897	3.95	2.37	3.26	3.20	4.84	5.53	3.34	3.53	2.67	0.34	6.06	3.92	43.01
1898	4.51	3.38	2.17	5.76	4.55	1.64	4.39	8.23	2.30	7.62	6.06	3.89	54.50
1899	3.23	4.00	5.34	1.31	0.93	2.77	2.67	2.23	5.45	1.08	3.27	1.30	33.58
1900	4.61	8.08	4.68	2.00	4.49	2.16	1.87	2.23	2.53	3.00	4.64	2.11	42.40
1901	2.55	1.44	4.83	7.78	6.10	0.95	4.46	3.48	3.60	2.45	2.71	6.53	46.88
1902	2.14	5.28	6.18	4.07	0.58	1.32	2.37	3.43	2.45	3.95	1.19	5.91	38.87
1903	3.31	3.70	5.68	4.14	0.41	9.90	2.25	3.02	1.63	3.65	1.38	2.25	41.32
1904	4.59	2.60	1.74	8.47	3.18	3.04	1.51	3.19	5.10	1.69	1.58	2.22	38.91
1905	5.26	1.70	2.59	2.73	1.26	6.14	1.10	3.65	7.72	1.28	2.51	3.69	39.63
1906	2.88	2.76	9.27	2.55	5.15	2.95	5.22	2.57	2.02	2.69	2.83	5.90	46.79
1907	2.90	2.19	2.43	3.31	3.06	3.71	1.91	1.33	8.88	2.98	6.76	3.88	43.34
1908	3.48	4.27	3.26	2.41	3.81	0.78	2.40	3.97	0.62	3.66	1.04	2.65	32.35
1909	4.04	5.31	3.80	4.23	1.96	4.27	2.27	3.53	5.12	1.28	4.31	3.95	44.07
1910	4.80	4.84	1.02	2.68	1.32	4.59	1.47	1.19	2.38	1.13	3.71	2.28	31.41
1911	2.78	3.18	3.47	2.45	1.01	3.69	6.30	4.32	3.34	2.93	4.02	3.72	41.21
1912	3.13	2.50	4.98	3.71	5.10	0.35	5.27	2.13	2.58	1.69	2.94	4.89	39.27
1913	3.49	2.59	4.80	4.31	3.83	1.55	3.83	3.39	2.96	6.83	2.45	3.10	43.13
1914	3.58	2.80	4.61	6.19	2.68	2.15	2.56	3.44	0.06	1.39	2.79	3.03	35.28
1915	6.42	3.49	0.04	3.33	1.54	5.24	8.48	8.29	0.84	3.08	2.46	5.30	48.51
1916	1.55	5.71	4.41	5.26	3.92	5.59	3.28	2.32	1.80	1.38	1.84	3.19	40.25
1917	2.96	1.48	2.42	3.25	4.27	3.65	1.26	7.48	1.49	6.03	1.00	2.40	37.69
1918	3.56	3.51	2.46	4.31	1.37	2.67	3.63	2.18	9.42	1.13	2.05	4.07	40.36
1919	3.50	2.99	2.57	1.08	3.16	1.62	2.19	4.04	5.41	1.12	8.26	1.58	37.52
1920	3.18	7.70	4.16	5.74	4.98	7.15	1.88	1.37	3.50	1.12	5.53	4.70	51.01
1921	2.45	3.94	2.91	5.34	2.13	4.10	9.11	1.25	2.68	1.13	6.80	4.73	46.57
1922	1.60	3.30	5.50	1.61	5.40	11.47	3.75	3.90	3.25	2.80	1.25	4.20	48.03
1923*	8.43	2.71	3.83	5.31	1.17	2.33	2.53	2.82	0.66	3.64	3.61	5.48	42.52
1924	3.98*	2.36*	2.47*	4.55*	3.52*	2.81*	1.99*	6.71*	9.87*	0.09	2.29	1.47	42.11
1925	3.64	2.10	6.08	2.76	2.40	5.10	4.20	1.16	3.02	4.31	3.42	4.68	42.87
1926	2.35	4.35	2.50	2.21	3.16	1.68	3.67	3.08	1.46	4.52	3.97	2.84	35.79
1927	2.30	4.40*	1.51*	1.82*	2.82*	2.07*	4.51*	6.61*	2.21*	4.58*	4.50*	5.39*	42.72
1928	2.54*	3.59*	2.21*	4.93	3.10	7.15	4.46	4.02	4.39	3.57	2.29	2.41	44.66
1929	3.32	3.46	2.81	7.94	3.21	2.63	1.49	4.07	1.45	2.34	2.78	3.95	39.45
1930	2.33	2.12	3.35	1.85	2.93	2.12	4.78	2.22	0.63	4.86	4.36	1.93	33.48
1931	3.61	2.68	4.44	2.81	3.70	8.04	1.99	5.17	1.26	2.63	1.08	3.60	41.01
1932	4.10	1.93	5.19	1.38	1.55	3.06	2.55	6.96	6.83	7.86	5.72	1.75	48.88
1933	2.30	3.92	7.54	7.38	2.29	1.23	2.23	3.15	10.33	3.43	1.01	3.54	48.35
1934	3.54	3.30	5.10	3.16	2.14	4.36	1.34	1.95	7.83	3.30	3.35	2.71	42.08
1935	5.97	3.11	1.71	4.78	1.27	5.80	1.58	1.37	3.97	0.55	4.74	0.92	35.77
1936	7.26	3.22	7.27	3.35	1.93	2.33	1.21	5.82	5.64	1.46	1.55	8.70	49.74
1937	4.60	1.86	3.30	4.19	3.10	3.49	1.47	7.02	3.71	4.45	6.18	4.88	48.25
1938	3.75	2.12	2.42	3.18	4.25	6.08	12.08	1.98	7.57	2.69	3.29	2.97	52.38
Av. 64 yrs.	3.68	3.51	3.94	3.58	3.10	3.44	3.36	3.76	3.62	3.27	3.62	3.49	42.37
1939	2.09	3.64	4.68	4.89	2.67	2.95	0.47	2.78	2.09	4.36	1.05	2.76	34.43
1940	2.35	3.85	3.75	5.10	3.72	2.00	4.40	1.38	4.12	1.19	6.21	2.52	40.59
1941	3.59	1.82	2.33	1.83	2.39	2.56	2.85	3.26	0.62	1.86	2.77	4.00	29.88

*Interpolated.

WINCHESTER, MASS. (Wedgemere). Elevation, 20 feet.
Record January 1878 to December 1892 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.40	7.15	6.68	5.76	6.41	6.75	8.10	7.44	8.45	8.39	6.68	5.12	55.83
Year	1886	1886	1881	1878	1890	1881	1889	1878	1882	1890	1888	1888	1888
Min.	1.87	1.82	1.14	0.74	0.66	1.54	1.80	0.73	0.67	0.76	1.41	1.09	31.59
Year	1879	1889	1885	1892	1878	1880	1885	1881	1884	1879	1890	1892	1883
Av. 15 yrs.	4.56	4.12	3.94	2.95	3.37	3.30	3.65	4.02	3.02	3.67	3.54	3.46	43.60

WINCHESTER, MASS. (Mystic Upper Lake, Boston Water Works). Elevation, 25 feet.
Record January 1876 to December 1898 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.29	7.50	8.72	6.21	6.26	6.92	8.81	7.57	8.83	9.29	7.95	5.42	57.86
Year	1891	1893	1876	1898	1893	1881	1889	1878	1888	1890	1895	1888	1898
Min.	1.63	0.76	1.09	0.89	0.69	0.72	2.04	0.60	0.39	0.44	1.36	0.89	30.85
Year	1876	1877	1894	1892	1878	1894	1893	1881	1877	1897	1890	1877	1883
Av. 23 yrs.	4.14	3.94	4.06	3.30	3.63	2.99	3.91	4.12	3.12	4.20	4.34	3.29	45.04

WORCESTER, MASS. (Clark University). Elevation, 575 feet.
Record October 1921—January 1922 to December 1937 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.76	5.78	5.47	5.62	4.72	10.74	4.96	7.15	4.05	5.39	6.88	6.17	50.30
Year	1923	1926	1922	1923	1922	1922	1928	1927	1924	1927	1927	1927	1927
Min.	2.26	1.95	1.72	2.13	1.26	1.07	2.74	1.91	1.03	0.87	1.29	1.97	37.20
Year	1922	1923	1927	1927	1923	1924	1926	1923	1923	1924	1928	1924	1924
1929	3.86	3.85	3.16	6.93	4.71	1.61	0.68	1.15	3.80	2.99	3.28	3.20	39.22
1930	2.08	2.06	3.20	1.58	2.96	2.07	4.33	2.53	1.52	3.85	3.19	2.97	32.34
1931	3.28	3.49	5.31	2.96	3.49	7.46	1.97	5.49	1.27	1.97	1.06	3.32	41.07
1932	4.55	2.32	4.87	2.15	1.67	2.43	2.24	5.15	8.03	6.54	5.39	1.86	47.20
1933	2.17	3.92	5.46	6.02	1.94	2.84	1.45	5.51	9.45	3.19	1.45	3.28	46.68
1934	3.76	2.91	2.82	4.29	4.59	6.06	3.82	3.81	9.96	2.58	2.38	4.13	51.11
1935	5.95	2.48	1.69	2.53	2.15	7.64	2.33	3.92	4.20	0.44	4.68	0.93	38.94
1936	7.66	2.78	10.43	3.42	2.53	2.65	2.31	5.47	4.40	3.93	1.44	7.36	54.38
1937	4.75	2.19	3.49	5.31	4.19	4.47	3.15	4.30	3.78	4.18	8.15	2.79	50.75
Av. 16 yrs.	3.88	3.08	3.96	3.88	3.00	4.17	3.07	4.11	4.04	3.35	3.58	3.55	43.67

WORCESTER, MASS. (Worcester Insane Hospital,. Elevation, 600 feet.
Record January 1841 to December 1871 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	8.11	8.09	7.71	10.77	8.30	7.44	9.40	13.14	8.60	9.81	9.82	6.90	61.48
Year	1855	1853	1859	1852	1868	1862	1855	1856	1868	1869	1854	1855	1852
Min.	0.98	0.83	0.23	0.35	1.64	0.92	1.08	0.35	0.20	0.51	1.69	1.15	34.52
Year	1849	1841	1855	1844	1855	1841	1868	1854	1855	1865	1858	1871	1865
Av. 31 yrs.	3.92	3.21	3.53	4.03	4.35	3.25	3.76	4.85	3.58	4.25	4.01	3.77	46.51

WORCESTER, MASS. (Worcester Sewage Disposal Works). Elevation, 400 feet.
Record August 1895 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.39	8.10	6.65	7.44	5.75	9.45	8.20	7.82	9.59	9.57	8.48	7.31	51.80
Year	1923	1900	1903	1904	1906	1903	1906	1927	1918	1895	1921	1901	1927
Min.	1.18	0.67	0.00	0.94	0.90	0.18	0.97	1.08	0.10	0.03	0.93	1.77	31.82
Year	1896	1901	1915	1896	1899	1912	1909	1907	1914	1924	1917	1899	1914
1929	3.80	3.38	2.46	6.99	5.58	3.13	1.28	1.60	3.04	3.17	3.27	3.72	41.42
1930	2.37	2.26	3.15	1.65	2.69	1.95	4.70	2.34	0.93	3.58	3.38	2.43	31.93
1931	3.92	2.34	6.07	3.71	4.34	9.06	2.13	5.67	1.45	2.56	1.25	3.69	46.19
1932	5.31	1.93	6.46	2.43	1.91	4.15	2.58	6.32	10.62	7.42	6.71	1.90	57.74
1933	3.02	4.59	5.99	6.14	2.41	2.72	2.63	6.43	12.25	4.22	1.65	3.59	55.64
1934	4.98	2.94	4.12	5.19	6.22	7.30	4.48	2.54	14.51	3.26	3.21	4.18	62.93
1935	6.86	3.65	2.19	4.09	3.03	7.57	3.14	5.00	5.41	0.39	5.52	1.33	48.18
1936	7.12	3.08	11.29	2.92	2.03	2.35	2.69	5.04	4.24	4.63	1.81	8.20	55.40
1937	4.86	2.01	3.31	5.07	3.85	4.41	3.54	3.79	4.27	4.35	8.12	2.73	50.31
1938	4.66	1.90	2.49	2.64	3.45	5.47	10.39	3.73	12.21	2.20	2.55	3.17	54.86
Av. 43 yrs.	3.54	3.30	4.04	3.68	3.13	3.77	3.67	3.77	4.37	3.14	3.62	3.55	43.58
1939	2.48	4.29	4.21	4.43	1.34	4.47	2.49	5.16	2.29	4.92	0.91	3.30	40.29
1940	2.62	2.98	4.01	5.34	5.30	2.47	4.03	2.29	2.83	1.62	7.50	2.87	43.86
1941	2.44	2.56	1.62	1.02	2.22	4.26	3.70	3.30	1.19	2.18	3.48	3.46	31.43

WORCESTER, MASS. (G. W. Swan). Elevation, 518 feet.
Record May 1892 to December 1925 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.74	7.45	7.29	6.81	6.95	8.31	7.25	7.34*	9.46	8.02	8.69	7.41	50.67
Year	1915	1900	1899	1901	1893	1922	1897	1898	1907	1895	1895	1901	1898
Min.	1.01	0.67	0.04	1.23	0.88	0.66	1.12	1.25	0.21	0.37	0.56	1.00	30.96
Year	1922	1901	1915	1896	1903	1912	1917	1907	1914	1924	1922	1892	1914
Av. 33 yrs.	2.80	2.90	3.59	3.20	3.15	3.15	3.57	3.38	3.35	2.88	3.18	3.27	38.42

*Interpolated.

WORCESTER, MASS. (Winter Hill Observatory). Elevation, 625 feet.
Record January 1905 to March 1908—January 1915 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	5.85	7.09*	5.81	6.53	5.80	6.84	9.35	8.70	10.32	6.31	7.98	6.41	53.83
Year	1923	1916	1925	1923	1919	1928	1915	1927	1907	1923	1921	1927	1927
Min.	1.26	1.37	0.02	1.36	0.83	0.43	1.44	1.29	1.21	0.33	0.70	0.87	31.78
Year	1916	1905	1915	1915	1905	1921	1917	1907	1915	1924	1917	1921	1917
1929	4.10	3.83	3.10	6.52	4.71	2.28	0.62	1.24	3.53	2.95	3.14	3.05	39.07
1930	1.99	1.83	3.30	1.70	2.87	3.19	4.18	1.43	1.50	3.94	3.11	2.43	31.47
1931	3.51	2.52	5.29	3.26	3.51	6.76	2.34	6.22	1.48	2.16	1.17	3.33	41.55
1932	4.88	2.14	5.02	2.41	1.29	2.69	2.90	4.96	7.37	7.45	5.25	1.77	48.13
1933	2.20	3.99	5.29	5.83	2.95	1.59	1.43	5.15	10.11	2.87	1.70	3.17	46.28
1934	4.32	3.02	2.96	4.78	4.76	5.49	4.29	3.25	9.75	2.63	2.47	3.78	51.50
1935	5.79	3.23	2.09	2.98	3.13	6.98	2.47	3.94	4.57	0.47	4.79	1.03	41.47
1936	7.45	2.69	11.13	3.24	3.58	2.18	2.93	5.61	3.05	4.15	1.38	7.77	55.16
1937	4.85	2.22	3.38	4.74	3.81	3.63	1.61	4.22	3.98	4.20	8.87	2.81	48.32
1938	4.54	2.04	2.27	3.20	3.56	7.39	11.41	2.54	10.82	2.46	3.15	3.64	57.02
Av. 27 yrs.	3.56	2.96	3.49	3.58	3.29	3.89	4.00	3.58	4.61	3.20	3.79	3.32	43.27
1939	2.61	3.73	4.46	3.42	1.78	4.60	2.61	4.29	1.99	4.87	0.98	3.52	38.86
1940	2.89	3.45	4.39	5.98	5.24	2.60	4.02	1.39	2.37	1.30	6.53	2.94	43.10
1941	2.81	2.28	1.94	0.85	2.02	3.21	2.40	2.22	1.11	2.42	3.35	3.31	27.92

*Interpolated.

WORTHINGTON, MASS. Elevation, 1,500 feet.
Record January 1917 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	6.01	5.42	6.13	6.86	9.24	8.63	7.47	8.52	8.96	7.47	10.17	6.20	58.75
Year	1923	1920	1922	1920	1919	1928	1928	1928	1924	1923	1927	1920	1920
Min.	1.87	1.92	1.34	1.61	1.72	1.76	2.20	2.35	0.55	0.00	0.84	1.14	38.54
Year	1922	1917	1924	1927	1926	1924	1917	1921	1917	1924	1917	1928	1926
1929	3.68	3.94	3.63	7.53	4.07	2.93	1.17	2.53	3.48	4.35	2.84	3.61	43.76
1930	2.34	1.57	4.12	1.85	4.12	5.57	4.58	2.61	1.40	1.93	3.85	1.42	35.36
1931	3.25	2.08	4.40	2.46	7.78	5.29	4.90	3.64	2.98	2.73	1.74	3.86	45.11
1932	5.23	2.29	3.80	2.08	1.45	1.98	3.99	4.25	2.25	6.26	7.28	2.18	43.04
1933	2.24	3.28	5.51	5.76	2.65	3.48	4.21	10.50	10.81	3.42	1.20	3.15	56.21
1934	3.54	2.13	3.32	3.94	4.24	6.38	2.00	3.30	9.23	3.01	4.16	3.25	48.50
1935	4.60	2.42	1.92	1.64	2.85	5.46	4.80	0.83	4.69	1.25	5.31	1.44	37.21
1936	5.13	2.06	10.12	3.69	4.27	2.13	2.24	5.59	4.12	2.15	2.14	6.03	49.67
1937	5.86	3.37	3.80	4.25	6.67	6.22	1.93	6.22	4.99	6.58	5.95	3.14	58.98
1938	4.74	1.71	2.45	2.50	3.29	8.89	6.35	3.92	13.02	2.28	3.28	3.40	55.83
Av. 22 yrs.	3.50	2.97	3.77	3.62	4.15	4.64	4.03	4.22	4.86	3.53	4.28	3.21	46.78
1939	2.53	3.62	3.64	4.89	1.45	4.73	1.86	3.51	4.71	4.14	1.25	2.87	39.20
1940	2.41	3.30	5.39	5.23	7.19	3.99	3.12	1.94	1.91	1.31	5.72	3.21	44.72
1941	2.48	2.75	1.59	0.82	3.99	3.76	4.70	5.25	1.29	3.42	3.36	4.34	37.75

WRENTHAM, MASS. Elevation, 250 feet.
Record January 1921 to December 1941 inclusive.

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Max.	4.88	3.97	5.64	6.01	5.79	7.82	6.95	10.22	6.57	5.48	6.66	5.54	48.33
Year	1923	1928	1922	1924	1922	1922	1921	1927	1924	1923	1926	1923	1922
Min.	1.75	1.88	1.38	1.94	0.82	1.49	2.10	1.17	0.65	0.15	1.35	2.01	39.60
Year	1927	1923	1928	1922	1923	1926	1924	1921	1923	1924	1922	1924	1928
1929	4.83	2.57	4.36	7.39	2.51	0.83	2.12	1.82	3.06	3.67	3.30	3.81	40.27
1930	3.32	2.32	3.36	1.54	2.61	2.81	2.68	1.47	0.30	4.03	3.35	2.37	30.16
1931	3.15	2.76	5.25	3.37	4.23	6.16	3.50	4.30	0.85	2.19*	0.86	2.20	38.82
1932	5.05	1.62	5.15	1.85	2.00	2.84	2.53	4.81	6.05	5.64	5.33	1.07	43.94
1933	1.93	3.24	5.25	5.44	2.33	2.38	1.89	2.80	8.90	2.93	0.93	3.54	41.56
1934	3.20	2.84	3.58	3.49	2.45	4.23	2.72	4.39	5.02	4.05	4.22	3.27	43.46
1935	6.47	3.30	1.52	5.54	2.54	6.51	2.83	2.16	2.51	0.81	5.42	0.97	40.58
1936	8.53	3.07	9.88	3.88	2.47	2.50	0.90	5.71	7.01	2.47	1.19	9.25	56.86
1937	4.84	2.23	4.22	5.64	3.38	4.34	2.48	9.08	3.35	4.34	7.78	3.65	55.33
1938	5.21	2.71	2.69	2.73	4.93	10.05	12.58	3.25	5.30*	2.67	3.28	3.28	58.68
Av. 18 yrs.	3.98	2.86	3.96	4.04	3.02	4.08	3.63	4.29	3.97	3.25	3.77	3.49	44.34
1939	2.76	4.63	4.74	4.45	1.67	3.09	2.01	3.92	1.76	5.28	1.38	3.17	38.86
1940	3.10	5.45	4.52	6.29	4.18	3.14	3.85	1.77	2.93	1.45	6.40	2.36	45.44
1941	3.30	2.87	2.72	1.93	3.08	5.66	5.24	4.24	0.05	1.72	3.01	3.37	37.19

*Interpolated.

PROCEEDINGS

Annual Report of the Secretary

Mr. President and Gentlemen of the New England Water Works Association: The Secretary submits herewith the following report of the changes in membership during the past fiscal year, and the general condition of the Association.

The present membership is 808, constituted as follows: 9 Honorary Members, 656 Members, 1 Junior Member, 121 Associate Members, and 21 Corporate Members. The detailed changes are shown in the following tabulation.

MEMBERSHIP

September 1, 1941.	Honorary Members, Total		9		
	Withdrawals	0	0	9	
	Elected	0		0	9
September 1, 1941.	Members, Total		647		
	Withdrawals:				
	Resigned	11			
	Died	13			
	Dropped by Executive Committee	3	27	620	
	Elected:				
	September, 1941	12			
	November, 1941	4			
	December, 1941	1			
	January, 1942	4			
	February, 1942	3			
	March, 1942	4			
	April, 1942	1			
	May, 1942	2		31	
	Reinstated:				
	September, 1941	2		2	
	Transferred from Junior Membership:				
	September, 1941	1		1	
	Error from previous years	2		2	656
September 1, 1941.	Juniors, Total		1		
	Withdrawals:				
	Transferred to members	1	1	0	
	Elected:				
	November, 1941	1		1	1

September 1, 1941.	Associates, Total		121		
	Withdrawals:				
	Resigned	2			
	Dropped by Executive Committee	2	4	117	
	Elected:				
	September, 1941	3			
	March, 1942	1		4	121
September 1, 1941.	Corporates, Total		20		
	Withdrawals	0	0	20	
	Elected:				
	April, 1942	1		1	21
					808
September 1, 1942.	Total Membership				808
September 1, 1941.	Total Membership				798
	Net Gain				10

ELECTIONS

Members

September 23, 1941. John A. Bellizia, John S. Bethel, Jr. (Transferred from Junior Membership), Henry Campbell, Arthur T. Clark (Reinstatement), George W. Coffin (Reinstatement), John T. Ford, James S. Goff, Matt A. Hautala, Kenneth F. Knowlton, Harold D. Lamson, Michael B. Oates, George S. Ryan, William A. Steinhurst, Wyman R. Stone, and Robert L. Wiley. (15)

November 25, 1941. Edward M. Cahalan, Henry U. Cormier, Jr., David D. Eames and William H. Moody. (4)

December 18, 1941. Edmund H. Sargent.

January 15, 1942. Harold J. Baker, William C. Paxton, James W. Reilly and Edward S. Duarte. (4)

February 19, 1942. Harry J. Brillhart, Canfield S. Dickie and Earl R. Perry. (3)

March 19, 1942. Malcolm P. Brown, J. Allen Goguen, Leon H. Reed and Thomas D. Walsh. (4)

April 23, 1942. Albert W. Powers.

May 21, 1942. David C. Wiggin, Jr. and Theo. E. Stimpson. (2)

Juniors

November 25, 1942. Albert C. Reppucci.

Associates

September 23, 1941. Limestone Products Corp. of America, Denis L. Maher Co. and Ruberoid Company. (3)

March 19, 1942. The Greene Rubber Company.

Corporates

April 23, 1942. Southboro (Mass.) Board of Water Commissioners.

WITHDRAWALS

Members

Resigned: Clarence S. Ball, Kirk Bryan, Wellington Donaldson, Lorenzo B. Fortin, George C. Ham, A. A. Laflin, John H. McManus, Parker R. Neff, Edmund C. Sanderson, Howard P. Shattuck and Joseph Wuraftic. (11)

Died: James Bedell, J. S. Dunwoody, William Flannery, Leon A. Goodale, George H. Hazlehurst, Samuel E. Killam, George F. Merrill, Alexander H. O'Brien, George H. Palmer, Arthur H. Pratt, Abel Reynolds, Donald Sorelle, A. N. Talbot. (13)

Dropped by Executive Committee: Charles F. Attersall, H. J. Goodale and Harrison W. Macomber. (3)

Juniors

Transferred to Members: John S. Bethel, Jr.

Associates

Resigned: The Bristol Company and Youngstown Sheet & Tube Company. (2)

Dropped by Executive Committee: Brown Company and The Gorman-Rugg Company. (2)

RECEIPTS FOR THE FISCAL YEAR SEPTEMBER 1, 1941 TO SEPTEMBER 1, 1942.

Entrance Fees			$ 138.00
Annual Dues:			
Members	$2,388.00		
Corporates	160.00		
Associates	1,360.00	$3,908.00	
Fractional Dues:			
Juniors	$ 2.75		
Members	56.00		
Corporates	2.50		
Associates	15.00	76.25	
Past Dues:			
Members	$ 229.00		
Associates	20.00	249.00	
1942-1943 Dues:			
Members	$ 424.50		
Corporates	10.00		
Associates	535.00	969.50	

Total Dues		$5,202.75
Dividends and Interest		348.86
Advertisements		2,941.00
Subscriptions		490.00
Journals		60.75
Reprints		27.00
Membership Certificates		16.50
Sundries		26.01
Total Receipts		$9,250.87
There is due the Association:		
Entrance Fees	$ 9.00	
Dues	840.00	
Advertisements	247.00	
Subscriptions	36.00	
Journals	10.00	
Miscellaneous	.95	1,142.95
Total		$10,393.82

N.B. Dues of 11 members who are in our armed forces or in enemy occupied countries have been remitted for the duration.

Respectfully submitted,

(Signed) FRANK J. GIFFORD, *Secretary*.

Annual Report of the Treasurer

Boston, September 11, 1942

To Frank J. Gifford, Treasurer,
New England Water Works Association,
Boston, Massachusetts.

We have examined the statement of assets and funds and the statement of cash receipts and disbursements of the general fund of the New England Water Works Association for the fiscal year ended August 31, 1942. In connection therewith we have reviewed the accounting procedures of the association and have examined accounting records of the association and other supporting evidence, by methods and to the extent we deemed appropriate.

We traced all recorded receipts into the depositary banks, verified the general fund bank account and petty cash fund as at August 31, 1942, and examined properly approved vouchers for all disbursements. We also verified by direct communication the investment funds on deposit in savings banks.

In our opinion, the accompanying statement of assets and funds and the note thereon and the related general fund cash statement present fairly the position of the New England Water Works Association at August 31, 1942, and the recorded cash receipts and disbursements for the fiscal year then ended, in conformity with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

(Signed) Scovell, Wellington & Company

Statement of Assets and Funds (Exhibit A)

As at August 31, 1942

Assets

Cash in Banks, Invested Funds

City Five Cents Savings Bank, Haverhill, Massachusetts	$2,000.00
Farmers and Mechanics Savings Bank, Framingham, Massachusetts	2,068.46
Franklin Savings Bank, Boston, Massachusetts	2,000.00
Haverhill Savings Bank, Haverhill, Massachusetts	2,000.00
Home Savings Bank, Boston, Massachusetts	2,000.00
Mechanics Savings Bank, Reading, Massachusetts	2,000.00
Pentucket Savings Bank, Haverhill, Massachusetts	2,000.00
The People's Savings Bank, Worcester, Massachusetts	2,000.00
Suffolk Savings Bank, Boston, Massachusetts	2,000.00
Total Invested Cash	$18,068.46

General Fund		
Cash, First National Bank of Boston	3,770.50	
In Office	50.00	
	3,820.50	
Furniture and Fixtures	1,180.00	5,000.50
		$23,068.96

Funds

Invested Funds	$18,068.46
General Fund	
Balance, August 31, 1941	5,959.20
Deduct Excess of Disbursements over Receipts, Exhibit B	958.70
Balance, August 31, 1942	5,000.50
	$23,068.96

Note: The statement above, prepared on a cash basis, includes dues received in advance, $969.50, and salary paid in advance, $125. It does not reflect the following:

Accounts Receivable, Dues and Initiation Fees	$ 849.00
Due on Account of Advertising and Other Miscellaneous Charges	293.95
	$1,142.95

No depreciation has been taken on Furniture and Fixtures.

STATEMENT OF CASH RECEIPTS AND DISBURSEMENTS (Exhibit B)

General Fund

For the Year ended August 31, 1942

Receipts (exclusive of dues received in advance)		
Initiation Fees		$ 138.00
Dues, 1941-1942 and Prior Years		4,233.25
Interest		348.86
From Publication of Journal		
Advertisements	$2,941.00	
Subscriptions	490.00	
Sale of Journal	60.75	
Sale of Reprints	27.00	
Sale of Halftones, Electros, etc.	26.01	3,544.76
Miscellaneous		
Membership Certificates		16.50
Total Receipts		$8,281.37

Disbursements			
Publication of Journal			
Printing	2,571.74		
Plates	260.49		
Reporting	431.37		
Reprints	34.69		
Stationery and Postage	89.12		
Editor's Salary	500.00		
Standard Specifications	107.50		
Sundry	58.56	4,053.47	
Office and General			
Certificates of Membership	10.16		
Secretary's Salary	400.00		
Assistant Secretary's Salary	1,512.50		
Treasurer's Salary	50.00		
Treasurer's Bond	17.19		
Printing, Postage and Stationery	207.32		
Office Supplies and Expense	124.65		
Office Rent	1,200.00		
Electricity	63.73		
Telephone and Telegraph	186.06		
Auditing	145.00		
Social Security Taxes	429.81		
Office Assistance	230.90		
Sundry	70.62	4,647.94	
Meetings and Committees			
Badges	33.03		
Water Works School	265.50		
Printing, Postage and Stationery	772.66		
Convention Expense	67.67		
President's Expense	35.10		
Sundry Expense	209.20	1,383.16	
Total Disbursements			10,084.57
Excess of Disbursements over Receipts (exclusive of dues received in advance and salary paid in advance)			1,803.20
Dues Received in Advance		969.50	
Less Salary Paid in Advance		125.00	844.50
Excess of Disbursements over Receipts, Exhibit A			958.70

Balance, General Cash, August 31, 1941		4,779.20
Balance, General Cash, August 31, 1942		
Represented by		
Cash in First National Bank of Boston	3,770.50	
Cash in Office	50.00	
		$3,820.50

Annual Report of the Editor

To the New England Water Works Association:

The Editor submits herewith the following report for the year ending August 31, 1942.

As has been customary in the past, the tables of financial figures, accompanying the report, are based upon total charges and accounts receivable, rather than actual cash received or disbursed. A detailed statement of the receipts and disbursements on account of the September and December, 1941, and March and June, 1942, issues of the Journal is included in the Report of the Treasurer.

Table 1.

Statement of Material in September and December, 1941, and March and June, 1942, Issues of the Journal of the New England Water Works Association

	Papers	Proceedings	Total Text	Index	Advertisements	Cover & Contents	Insert Plates	Total	Total Cuts
Sept., 1941	167	1	168	0	42	4	0	214	43
Dec., 1941	78*	65	143*	10	40	4	0	197*	12
March, 1942	122	10	132	0	37	4	1	174	22
June, 1942	121	11	132	0	36	4	0	172	19
Total	488*	87	575*	10	155	16	1	757*	96

*Exclusive of Specifications for Elevated Steel Water Tanks, Standpipes, and Reservoirs (45 pages).

Table 2 gives a comparison of the Journal for the past year with preceding years.

Size. The four issues contained 757 pages, of which 575 were text. The December issue also contained 45 pages of Specifications for Elevated Steel Water Tanks, Standpipes, and Reservoirs.

Cost. The gross cost of the Journal was $4,053.47 equivalent to $5.05 per member; the net cost was $534.72, equivalent to $0.67 per member.

Reprints. Reprints of each paper have been furnished to the author at cost.

Circulation. The present circulation of the Journal is:

Members, all grades	808
Subscribers	117
Exchanges	22
Advertisers	35
Total	982

Journals have been sent to all subscribers and to advertisers.

Respectfully submitted,

(Signed) Gordon M. Fair, *Editor*

TABLE 2—COMPARISON OF JOURNALS OF THE NEW ENGLAND WATER WORKS ASSOCIATION.
FOUR ISSUES FOR FISCAL YEAR ENDING AUGUST 31.

	1933	1934	1935	1936	1937	1938	1939	1940	1941*	1942†
Average edition (copies printed)	1,125	1,100	1,100	1,100	1,100	1,100	1,000	1,100	1,100	1,100
Average membership	805	796	786	770	772	785	795	796	800	803
Circulation at end of year	930	928	918	903	920	943	946	967	943	982
Pages of text	420	499	470	477	425	510	488	565	540	575
Pages of text per 1,000 members	522	627	598	619	561	650	614	710	675	716
Total pages, all kinds	594	645	643	642	627	699	670	762	733	757
Total pages per 1,000 members	738	811	808	834	812	890	843	957	918	943
GROSS COST:										
Total	$4,712.16	$5,411.30	$4,780.75	$5,880.68	$5,040.86	$4,658.05	$4,119.30	$3,846.46	$4,415.00	$4,053.47
Per copy	1.05	1.23	1.09	1.35	1.23	1.06	0.94	0.87	1.00	0.93
Per page	7.93	8.39	7.54	9.16	8.04	6.66	6.15	5.05	5.66	5.36
Per member	5.85	6.80	6.08	7.64	6.53	5.93	5.18	4.83	5.52	5.05
Per member per 1,000 pages	9.85	10.53	9.46	11.89	10.41	8.49	7.13	6.34	7.53	6.67
Per member per 1,000 pages of text	13.94	13.62	12.93	16.01	15.01	11.63	10.61	8.55	10.21	8.78
NET COST:										
Total	$1,176.77	$1,916.27	$1,332.99	$1,499.58	$489.13	$539.21	$306.77‡	$618.37‡	$276.54	$534.72
Per copy	0.20	0.44	0.30	0.34	0.11	0.12	0.07‡	0.14‡	0.06	0.12
Per page	1.98	2.97	2.07	2.34	0.78	0.77	0.46‡	0.81‡	0.38	0.71
Per member	1.46	2.41	1.70	1.95	0.63	0.69	0.39‡	0.78‡	0.35	0.67
Per member per 1,000 pages	2.46	3.73	2.64	3.03	1.01	0.98	0.58‡	1.02‡	0.47	0.88
Per member per 1,000 pages of text	3.48	4.83	3.61	4.08	1.46	1.35	0.80‡	1.37‡	0.64	1.16

*Including comprehensive index, 1882 to 1939, and 102 pages of standard specifications.
‡Profit.
†Including 45 pages of standard specifications.

Annual Report of the Finance Committee

July 20, 1942.

To the Executive Committee of the New England Water Works Association:
The Finance Committee submits the following budget for 1942-43:

Estimated Revenue		
Initiation Fees	$ 150.00	
Dues	5,300.00	
Interest and Dividends	300.00	
Journal	3,600.00	
Miscellaneous	75.00	$9,425.00
Estimated Expenditures		
Office	$4,000.00	
Journal	4,000.00	
Meetings and Committees	1,300.00	
Miscellaneous	125.00	$9,425.00

In preparing the budget careful consideration was given to income and expenditures for previous years. In view of war conditions, an increase in membership during the coming year is not expected to be as large as last year, therefore the estimated revenue was lowered. The interest of the Association has been kept at a high level and it is expected there will be no drop in membership.

While bank interest has decreased during the past year, it is felt the usual interest and dividends could be maintained by the purchase of war savings bonds, and this Committee so recommends for your consideration.

It was also felt that the advertising space in the JOURNAL on account of abnormal conditions, will not be maintained this year, consequently it is expected there will be a drop of $500.00 in revenue. The Miscellaneous revenue is expected to be the same as last year. While it is a fact that the office rent and Personnel will not materially decrease during the coming year, it is felt that the office expenditures will not be as large as last year. There should be no change in the expenditures for the JOURNAL, therefore the amount set aside for last year has been duplicated this year. In following the recommendations of the War Production Board, Conventions may be curtailed, but there will no doubt be more small group meetings, and for that reason the amount expended last year has been allowed for the coming year. Abnormal conditions on account of the war have prompted the Committee to increase the "Miscellaneous" amount to take care of unexpected expenses.

An audit of the books by a certified public accountant will be found as a part of the Treasurer's Report.

(Signed) DANIEL M. SULLIVAN, *Chairman*

The Finance Committee recommends that the New England Water Works Association assist the office of the War Production Board in compiling a list of surplus water department materials, and that the sum of Five Hundred Dollars ($500.00) be appropriated from the surplus funds of the New England Water Works Association for this purpose.

(Signed) DANIEL M. SULLIVAN, *Chairman*
BENJAMIN H. KEELER
HORACE J. COOK

A motion to recommend to the Executive Committee that $10,000 of the Association's funds be invested in "Series G War Bonds" was made, seconded, and carried.

Annual Report of Committee on Membership

September 12, 1942.

Mr. President and Gentlemen of the New England Water Works Association:
The Membership Committee submits herewith the following report of the changes of membership during the past fiscal year, and the general condition of the Association.

The present membership is 808, constituted as follows: 9 Honorary Members, 656 Members, 1 Junior Member, 121 Associate Members, and 21 Corporate Members.

Total Membership September 1, 1941 798

		Loss	Gain	9/1/42
Honorary Members	9	0	0	9
Members	647	27	36	656
Juniors	1	0	0	1
Associates	121	4	4	121
Corporate	20	0	1	21
	798	31	41	808

Total Membership September 1, 1942 808

The report of this Committee is more or less a repetition of the Secretary's report; however, we wish to call to your attention that in spite of war difficulties we still have a gain in both our active members of nine and in total membership of ten.

A gain however slight is gratifying but with the continued war conditions we are bound to have some loss in membership unless each and every member strives his utmost to get at least one new member into the association during the coming year.

Respectfully submitted,

Membership Committee

(Signed) Harold L. Brigham, *Chairman.*

Report of the Committee on the Library

September 15, 1942

To the New England Water Works Association: During the past year the principal use to which the library has been put has been the consultation of the files of the Association Journal and of other magazines by members and others.

Comparatively little use has been made of such reference books as are on our shelves, although we have some of the latest relating to water works practice.

Your committee wishes to remind the Association of the existence of the library and to urge more use of its facilities.

Respectfully submitted,

(Signed) Francis H. Kingsbury

E. Sherman Chase, *Chairman*

Report of Committee on Emergency Water Service Schools

September 1, 1942.

To the New England Water Works Association: This Committee was authorized to attend and report on the Regional Emergency Water Service Training School held at Buffalo, New York, on July 29-30-31, 1942. Similar schools had previously been held at New York City, Albany, Syracuse and Elmira during the month of July.

They were organized by the Division of Water Main Emergency Repairs, Earl Devendorf, State Water Supply Coordinator, Director, under the New York State Mutual Aid Plan for Water Service and the State Office of War Training Program, with the following cooperating agencies: New York State Department of Health, Municipal Training Institute of New York State, New York State Conference of Mayors and other Municipal Officials, The Association of Towns of the State of New York, Town and County Officers' Training School of the State of New York, Bureau of Public Service Training, State Department of Education and New York State Section of the American Water Works Association.

These schools were held for water superintendents, water plant operators, key water works employees and other persons who are responsible for the organization, development and training of water emergency repair crews and other auxiliary water works personnel. This course of training was intended to give local officials (1) a thorough understanding of the program which is to be carried on for the organization, development and training of foremen of water main repair crews, supervisors of emergency water delivery services, emergency water treatment plant operators and other water works auxiliaries and the part which all local water officials are expected to play in this program; (2) a thorough understanding of the detailed course of instruction which is to be given later to all water works auxiliaries in all municipalities of the state through the cooperation and assistance of local water officials and Zone and Assistant Zone Water Supply Coordinators of the Mutual Aid Plan for Water Service, and (3) instruction in teaching methods so that the local water superintendents, their key employees and others who will be responsible for teaching certain lessons of the planned course to water works auxiliaries will be able to get instruction to such auxiliaries in the best possible manner.

The outline of the 3-day course as presented in Buffalo is summarized as follows:

First day—July 29, 1942

Description of the course and its objectives and the program of water supply coordination in New York, followed by teaching methods presented by the State Office of War Training Programs, explainig how lessons should be prepared and presented most effectively.

Second day—July 30, 1942

Explanations and demonstrations of various prepared lessons presented to the school in the manner in which its members should present the material to the auxiliaries. The following lessons were covered:

Organization and operation of the local water department and water supply.
Relation of water to fire protection.
Relation to health.
Location and operation of valves and fire hydrants.
Temporary repairs to broken water pipes.
Operation of pumps.
Operation of chlorinators and handling of chlorines.
Chlorination and tests for residual chlorine.
General repair techniques.

With each lesson, mimeographed material was distributed to the school to aid members when they present the lesson.

Third day—July 31, 1942

Explanations and demonstrations of the following lessons:
Plans of action in case of emergency.
Disinfection of water pipe, water handling equipment, tanks, reservoirs, etc.
Emergency source of water supply.
Field demonstrations including the following:
Operation of fire pumpers under emergency conditions by the Buffalo Fire Department.
Practice in making water main repairs, by the Buffalo Water Department, including the demonstration of repair equipment.
Field demonstrations of emergency disinfection of water mains by standard and emergency procedures.

The program of the school at Buffalo together with mimeograph copies of all material distributed including the various lessons have been filed in the library of our Association for reference by those interested.

The Water Supply Coordinators of New England and water works superintendents have been active in the organization of auxiliary water works forces. It is increasingly necessary to maintain the interest of such forces and this can probably best be done by prepared programs. Many superintendents have stated that they did not feel qualified to prepare such lessons or programs and lacked the ability to present such a program in a proper and interesting manner. Bearing these facts in mind, your Committee is of the opinion that with certain cooperating agencies a school might be conducted for water works superintendents and officials. Realizing, however, that it is impossible for water works officials to devote several days to such a school, it is suggested that such a school might be run in connection with the monthly meetngs of the New England Water Works Association, possibly devoting the morning session to such activities.

It is suggested that a Committee of the New England Water Works Association be appointed to confer with such agencies as the State Defense Committees, State Departments of Health, State Departments of Education, Federal Office of Education, etc., with a view to organizing such schools.

Respectfully submitted,

(Signed) HAROLD L. BRIGHAM
JOSEPH C. KNOX

Report of the Committee on Reciprocal Relations with the Institution of Water Engineers

September 15, 1942

To the New England Water Works Association: Your Committee on Reciprocal Relations with the Institution of Water Engineers has little to report due to war-time conditions.

We have had some correspondence of more or less personal nature with Mr. Gourley, Chairman of the corresponding committee of the Institution of Water Engineers, and also with Mr. Cronin, Chief Engineer of the London Metropolitan Water Board. From Mr. Cronin we have obtained useful data relative to certain phases of water works operation under war conditions and much additional information has come in the publications of the Institution received regularly by our library.

We recommend the continuation of our committee with the hope that, with the end of the war, more active relations between the two associations may be established.

Respectfully submitted,

(Signed) Leland Carlton
Francis H. Kingsbury
Percy A. Shaw
E. Sherman Chase, *Chairman*

Annual Report of the Legislative Committee

September 1, 1942

To the New England Water Works Association: Your legislative committee presents the following brief report for the year ending Sept. 1, 1942, more for the continuity of the records than for the information that can be presented.

As there were no regular sessions of the Legislatures in New England the only action of interest that we have noted was taken at the special session in Massachusetts.

An emergency bill was passed authorizing the State Department of Public Health to require the providing of equipment for public water supplies made necessary by the existence of the present state of war.

Respectfully submitted,

(Signed) Arthur C. King, *Chairman*
Sidney S. Anthony
Theodore L. Bristol
Madison H. Goff
George A. Reed
Percy R. Sanders
Stephen H. Taylor

Report of the Committee on Water Works Cooperation in Defense

September 15, 1942

To the New England Water Works Association: The Committee on Water Works Cooperation in Defense was constituted largely for the purpose of exchange of information between representatives of the several Nw England States and for the purpose of suggesting new efforts which might be undertaken by the New England Water Works Association for mutual aid of communities and between states.

Your Committee Chairman at the Convention in September, 1941, outlined in detail the setup at that time in Massachusetts for mutual aid in a paper entitled "State Emergency Plan of the Commonwealth of Massachusetts" and in discussions which followed the activities of the Connecticut Water Works Association and the Department of Health of Connecticut were briefly described by Mr. Warren J. Scott, Chief of the Bureau of Sanitary Engineering of the Connecticut State Department of Health. The Committee is informed that the Maine Utilities Association and the New Hampshire Water Works Association had previously maintained water works schools for the instruction of water works superintendents in meeting emergencies.

The Governors of each of the New England States at the request of the U. S. Public Health Service have appointed State Water Supply Coordinators to act in cooperation with Federal agencies in the matter of protection of public water supplies.

On December 8, 1941, following the declaration of war, the Surgeon General of the U. S. Public Health Service sent the following telegram to each of the state departments of health:

> "IN VIEW OF THE PRESENT EMERGENCY URGE PROPER OFFICIALS IN CHARGE OF DOMESTIC WATER SUPPLIES TO TAKE IMMEDIATE STEPS AGAINST SABOTAGE BY EXCLUDING ALL UNAUTHORIZED PERSONS AND VISITORS FROM WATER WORKS PROPERTIES, TO PROVIDE GUARDS AT DANGER POINTS AND PLACES WHERE SABOTAGE MAY INTERRUPT CONTINUOUS MAINTENANCE OF SUPPLY AND TO STEP UP CHLORINE DOSAGES TO MAINTAIN A RESIDUAL SUFFICIENT TO PROVIDE DISINFECTING ACTION THROUGHOUT THE DISTRIBUTION SYSTEM. . . ."

After receipt of this telegram a conference of all State Water Supply Coordinators in New England, New York, New Jersey and Delaware was held with representatives of the U. S. Public Health Service for the purpose of uniform action in furtherance of advice of the Surgeon General. This matter and other matters

relating to the cooperation of water departments, state health departments and federal agencies in the matter of water works protection were discussed at length at a meeting of the Superintendents Section. The progress in matters of Water Works Cooperation in Defense since the last Annual Meeting of the Association in the several New England States is briefly reported as follows:

Maine. The Maine Water Utilities Association Defense Committee has engaged an Executive Secretary and through a questionnaire has received from all the water utilities in Maine, information containing the amount of pipe, fittings, purification equipment and supplies, construction and repair equipment, etc. in stock. This information has been put in shape for quick assistance for any water utility in time of emergency.

The Defense Committee of the Maine Utilities Association in March, 1942, also made available to the water utilities in Maine the results of a man power study. Every water works operator in Maine now has information on where he can get the assistance of trained men in an emergency.

Following the appointment of the State Water Coordinator by the Governor of Maine, the State was divided into 10 zones for each of which a Zone Coordinator and alternate Zone Coordinator were appointed. The information in the hands of the Defense Committee has been given to the State Water Coordinator with which the Committee continues to cooperate. Each Zone Coordinator keeps an up-to-date inventory of the supplies and materials in his zone. There has been close cooperation between the individual water utilities in Maine and the State organization of Civilian Defense in such matters as providing properly sterilized water carts, training auxiliary helpers and arranging for quick repairs.

New Hampshire. The Governor of the State of New Hampshire has also appointed a State Water Supply Coordinator who has kept the water utilities in that State supplied with up-to-date information as to protective measures for safeguarding water supplies and the State Coordinator has appointed a committee represented by the Superintendents of the Water Departments of Manchester, Concord, Portsmouth, the Mayor of New London and a representative of the New Hampshire Board of Fire Underwriters.

During the months of June and July, 1942, very complete and comprehensive reports were sent to Washington. These reports covered water departments which were "most essential to the National Defense" and those which were considered "important to the National Defense". These reports covered all matters necessary to protection of water supplies and guarding of pumping stations, reservoirs, gatehouses, etc., as well as information concerning loyalty of water works employees. The State Board of Health has recommended chlorination of all surface water supplies and the project is being carried out as fast as chlorinating equipment is made available. A number of letters of instructions and recommendations have been sent by the Water Supply Coordinator to water works and other officials of local municipalities within the State. In one instance a large forested watershed has been closed to fishing and hunting and other unnecessary entrance. Certain large surface water sources have been closed to hunting, boating and fishing and other closures are in prospect. Attention has also been given to possible emergency

sources of water supply as might be necessitated for serving evacuees. Attention has also been given to the setting up of auxiliary repair squads and a complete inventory has been made of water supply materials, equipment and personnel which has been printed and sent to each member of the New Hampshire Water Works Association. Several of the larger water departments have been connected with the local Civilian Defense Report Center and have made several tryouts during air raids and blackouts. Each member of the New Hampshire Water Works Association has been supplied with a special edition of Defense Training for Water Works Operators published by the Maine Utilities Association. A pool of chlorinating equipment, liquid chlorine, and chlorine bearing compounds has been set up by the State Board of Health for use in emergency. Several of the larger water departments have installed new fences around reservoirs, pumping stations and other water works property and provided screens and other protection including flood lighting for their pumping stations and wells.

The New Hampshire Water Works Association has a Committee working on surplus inventories of supplies and materials which might be made available for important Federal projects.

Vermont. There are very few cities or villages in the State of Vermont that have a full time water superintendent who doesn't have other municipal duties. Many of them are Village Managers or Street Superintendents as well. There is no Water Works Association in the State and very little direct contact between water works superintendents.

The Governor of the State of Vermont has appointed a State Water Coordinator or "Associate Member, Vermont Council of Safety" who has made a survey for the U. S. Public Health Service of all water supplies vital or important to the National Defense and has also visited every village of any size in the State and talked with most of the superintendents or water committee members supplying those in the larger communities with copies of the Sanitary Engineering Bulletin No. 1 of the U. S. Office of Civilian Defense.

In the event of an emergency, the water works superintendents of Vermont would look to the Department of Public Health for coordination of mutual aid and relief efforts. Through the Executive Secretary of the Department of Public Health of Vermont, the State Water Coordinator has contacted the directors of the ten Civilian Defense Districts of the State and in case of emergency these districts would relay to the Office of the Department of Public Health any requests for aid in furnishing material or personnel for repairs following an emergency.

Massachusetts. The State Emergency Plan of Massachusetts has been revised and the water supply coordinators acting under the Office of the Adjutant General of the Commonwealth have been reassigned in accordance with the regional plan of the Massachusetts Committee on Public Safety. The Massachusetts Department of Public Health is conducting a survey of important water works systems as requested by the U. S. Public Health Service under a Federal Security Program and has supplied municipalities and water companies with posters setting forth the provisions and penalties of the Federal Espionage and Sabotage Statutes.

In cooperation with the Massachusetts Committee on Public Safety visits have

been made to many municipalities to encourage the formation of auxiliary trained forces to meet the possibility of severe damage to water works as the result of bombing or sabotage. Such forces will act under the direction of the municipal water officials. The difficult task of recruiting the auxiliary personnel has been greatly facilitated by the manner in which organized labor has responded. Those municipalities considered most important to the War effort have organized and are training auxiliary water works forces totalling throughout the State approximately 2,000 men and many of the other municipalities are likewise organizing such forces.

Inventories of water works materials were completed by the water supply coordinators under the State Emergency Plan and tabulated in January, 1942.

Schools for the training of chemists and bacteriologists in methods of decontamination were held at the Massachusetts State College in Amherst under the sponsorship of the College, the Department of Public Health, and the Committee on Public Safety in cooperation with the U. S. Office of Education. Four of these schools of four days duration each were held during the months of June and July. The object of the school was to train chemists and bacteriologists in methods of contamination detection and decontamination of water supplies and foods in order that available competent technical advisors might be available for local Civilian Defense organizations. The principal feature of the course was to inform such personnel of quick methods of such decontamination. The course included lectures and field demonstrations but the major part of the course consisted of laboratory work on material contaminated with actual war gases. A total of 181 persons attended the schools including representatives from various New England states and the State of New York. Plans are now under way in Massachusetts for the formation of a technical advisory corps on decontamination problems to be organized from those certified at these schools.

Rhode Island. There is no independent association of water works men in Rhode Island similar to those existing in Maine, New Hampshire and Connecticut but nevertheless since preparations for defense began and War was declared several meetings of Rhode Island water works men have been held under the auspices of the Division of Sanitary Engineering in the Rhode Island Department of Health. On January 22, 1942, at such a meeting a mutual aid plan similar to that carried out in other states was launched. The State Council of Defense of Rhode Island appointed a State Water Coordinator of public water supply systems. The Adjutant General's office of Rhode Island took over the matter of investigation of the establishment of guarding and other protection from sabotage when War was declared by immediately establishing State Guards at all municipal owned water supply systems. Later these guards were removed and civilian guards recruited to do the work. By act of the Legislature, the State Government shares the expense of paying the salaries of these guards. This arrangement does not apply to privately-owned water systems of which there are relatively few in Rhode Island. The Adjutant General's office has continued to supervise the training and activities of these guards.

As requested by the U. S. Public Health Service, a survey of important water

works systems was made under the Facilities Security Program and the results of the survey reported to the U. S. Public Health Service. Because of the relatively small area of the State of Rhode Island it has not been divided into districts for the purpose of water works coordination.

Connecticut. Since September, 1941, the Governor of the State of Connecticut has also appointed a State Water Coordinator who in turn has appointed an Assistant Coordinator. The State is divided into 12 districts with coordinators acting under the general supervision of the State Water Coordinator.

Two complete total inventories of water works supplies to be used in case of enemy action have been made with 100% response. Police and protection surveys of all water utilities have been carried out by the Public Utilities Commission, the State Department of Health and the State Police Department. Written recommendations have been made and most of these have been adopted. District Coordinators and Sanitary Engineers assistant to the Districts have visited all water utilities and have discussed with them distribution system records, repairs, supplies of materials, emergency water supplies, etc. Emergency notices and directions to water consumers and others have been prepared and distributed. Surveys of chlorine supplies have been made and field tests of storing water in gasoline and oil trucks have been carried out. Officials in charge of sewerage systems have been contacted regarding repairs of sewers. Directions for emergency disinfection of water mains have been given and fire chiefs and health officers have been visited and emergency plans discussed. A program has been drawn up for training auxiliary water works repair squads.

General. The State Water Supply Coordinators appointed for the several New England States as mentioned in the foregoing programs are as follows:

Howard H. Potter, Water Works Engineer, Public Utilities Commission, Augusta, Maine.

Charles D. Howard, Director, State Board of Health, Concord, N. H.

E. L. Tracy, Sanitary Engineer, State Board of Health, Burlington, Vermont.

Arthur D. Weston, Chief Engineer, Massachusetts Department of Public Health, State House, Boston, Mass.

Walter J. Shea, Acting Chief Engineer, Division of Sanitary Engineering, R. I. Dept. of Public Health, Providence, R. I.

Warren J. Scott, Director, Bureau of Sanitary Engineering, State of Connecticut, Department of Health, Hartford, Conn.

These State Water Supply Coordinators appointed at the request of the U. S. Public Health Service have been in close contact with Major John H. Brewster, U. S. Public Health Service who acts in cooperation with the Office of Civilian Defense for Regional Areas 1 and 2 which cover the New England states and the states of New York, New Jersey and Delaware. It is the understanding of your Committee that Major Brewster's work will in the future be confined largely to Regional Area 2 and that another officer of the U. S. Public Health Service is to be appointed for Regional Area 1 with offices with the Office of Civilian Defense, 17 Court Street, Boston, Mass.

The President of your Association appointed a special committee on Emergency

Water Service Schools for the particular purpose of attending and reporting upon the Regional Emergency Water Service Training School at Buffalo, New York, organized under the direction of the State Water Supply Coordinator of New York. This Committee which consists of Mr. Harold L. Brigham, President Nominate for the coming year and Joseph C. Knox, Chairman of the Technical Program Committee, have been charged by the President with making recommendations as to the proper function of the New England Water Works Association in sponsoring, with other agencies, the establishment of such schools in the New England area.

Your Committee is informed that a meeting has been held between the State Water Coordinators, the officials of the Maine Water Utilities Association, the New Hampshire Water Works Association, the Connecticut Water Works Association and the New England Water Works Association together with representatives of the U. S. Public Health Service and the Office of Civilian Defense. This meeting resulted in a communication having been sent to the War Production Board offering the services of these associations in the securing of information concerning surplus inventories as defined by the War Production Board as being in excess of the dollar value of the inventories of 1940. The Committee is informed that a communication has been received in acknowledgment thanking these associations for their offer of voluntary assistance in centralized assembling of inventories of surplus materials within various mutual aid areas and in making these data available in meeting the emergency needs of other water utilities within the recently amended terms of Order P-46 and stating that the Acting Chief of the Power Branch was most anxious to assist in any way within the jurisdiction of the Power Branch in making the proposal effective.

As noted above the Maine, New Hampshire and Connecticut Associations have already begun the assembling of these surplus inventories and the Executive Committee of the New England Water Works Association has met to consider the matter of assuming the duty of assembling similar inventories from the water utilities in the states of Massachusetts, Vermont and Rhode Island and also to assemble if permitted the summarized data with regard to the inventories being made in Maine, New Hampshire and Connecticut so that there will be ultimately available in the office of the New England Water Works Association a complete inventory of such surplus materials for all of the New England states in the area covered by this Association. It is the understanding of the Committee that these inventories are to be made available to the War Production Board through the State Water Supply Coordinators of each state and that a meeting of these coordinators with Arthur E. Gorman, Chief Water Supply Section, Power Branch, War Production Board, Washington, D. C., is being held today in furtherance of this program.

In the year 1941 and the early part of 1942, considerable progress has been made in all of the New England states in the matter of mutual aid of water utilities and in the setting up of agencies to operate in emergency and in the obtaining of inventories of materials in stock.

The outstanding occurrence within the Association's year now ending is the critical situation with regard to raw materials from which water works material

is fabricated and the critical situation that exists with regard to water works materials already fabricated. It is obvious from the remarks of the then Chief of the Power Branch of the War Production Board at the recent meeting of the American Water Works Association which has been widely published in the press and technical journals that the water works fraternity must be prepared to actively assist the War Production Board in making available to military establishments and essential war industries such surplus materials in their possession as may be necessary to complete the War effort. It is apparent that the time has arrived when the needs of the Military forces and War Production supersede the needs for Civilian Defense in the opinion of those in a position to judge. All the more reason why water utilities in the several states and in the New England area as a whole should act in close cooperation.

Respectfully submitted,

(Signed) THEODORE L. CATE (New Hampshire)
HARRY U. FULLER (Maine)
G. E. LOURIE (Connecticut)
JOSEPH E. MOORE (Vermont)
WALTER J. SHEA (Rhode Island)
ARTHUR D. WESTON (Massachusetts)
Chairman

Report of the Committee to Report on the Revision of the U. S. Public Health Service Standards of Water Quality

September 15, 1942

To the New England Water Works Association: The writer was appointed a Committee of one to report on the revision of the U. S. Public Health Service Standards of Water Quality because of his contact wtih the Advisory Committee appointed by the Surgeon General to assist in preparing the revision.

The New England Water Works Association had previously communicated with the U. S. Public Health Service requesting that this association be given representation on the Advisory Committee. This request was not granted, though the New England Water Works Association is representative of a considerable section of the country, because of the feeling on the part of the U. S. Public Health Service that granting of this request would result in numerous similar requests from other organizations not national in character. Accordingly, the New England Water Works Association felt that its representation through the writer would accomplish the same purpose.

The Advisory Committee appointed by the Surgeon General consisted of the following:

Dr. Joseph W. Mountin, Chairman, Assistant Surgeon General, States Relations Division, U. S. Public Health Service, Washington, D. C.

J. K. Hoskins, Secretary, Senior Sanitary Engineer, Chief, Sanitation Section, U. S. Public Health Service, Washington, D. C.

Representatives of Federal Organizations

Food and Drug Administration: J. W. Sale, Senior Chemist, Food Division, Federal Security Agency, Washington, D. C.

U. S. Geological Survey: W. D. Collins, Chemist in Charge, Quality of Water Division, Department of the Interior, Washington, D. C.

Representatives of Scientific Associations

American Chemical Society: Dr. A. M. Buswell, Chief Illinois State Water Survey Division, Urbana, Illinois.

American Public Health Associations: Dr. Abel Wolman, Professor of Sanitary Engineering, John Hopkins University, Baltimore, Md.

American Society of Civil Engineers: Arthur E. Gorman, Engineer of Water Purification, Bureau of Engineering, Department of Public Works, Chicago, Ill.

American Water Works Association: Charles R. Cox, Chief, Bureau of Water Supply, State Department of Health, Albany, N. Y.

Association of American Railroads: R. C. Bardwell, Superintendent, Water Supply, Chesapeake and Ohio Railroad, Richmond, Va.

Conference of State Sanitary Engineers: Arthur D. Weston, Director and Chief Engineer, Division of Sanitary Engineering, State Department of Health, Boston, Mass.

Society of American Bacteriologists: Dr. A. C. Hunter, Principal Bacteriologist, Food and Drug Administration, Federal Security Agency, Washington, D. C.

Members at Large

Herman G. Baity, Professor of Sanitary Engineering, University of North Carolina, Chapel Hill, N. C.

R. E. Buchanan, Director, Agricultural Experiment Station, Iowa State College, Ames, Iowa.

R. F. Goudey, Sanitary Engineer, Bureau of Water Works and Supply, Los Angeles, California.

TECHNICAL SUB-COMMITTEE, OFFICERS OF THE PUBLIC HEALTH SERVICE

J. K. Hoskins, Senior Sanitary Engineer, Chief, Sanitation Section, States Relations Division, Washington, D. C. (Secretary).

R. E. Tarbett, Senior Sanitary Engineer, Washington, D. C.

H. W. Streeter, Senior Sanitary Engineer, Stream Pollution Investigations, Cincinnati, Ohio.

C. T. Butterfield, Principal Bacteriologist, Stream Pollution Investigations, Cincinnati, Ohio.

C. C. Ruchhoft, Principal Chemist, Stream Pollution Investigations, Cincinnati, Ohio.

Dr. Lawrence T. Fairhall, Principal Industrial Toxicologist, National Institute of Health, Bethesda, Maryland.

(Official positions indicated are as of February 27, 1941, when the Committee was organized.)

This Committee has prepared its final draft of recommendations for necessary revisions of the requirements for drinking (and culinary) water provided by common carriers for the use of passengers carried in interstate traffic commonly known as the "Treasury Department Drinking Water Standards" and last revised in 1925 in order that they might conform more closely to current requirements for water supplies of attainable safety and potability and taking into consideration the improvements in water supply practice since the revision of the early standards.

In the 1925 edition the standards included provisions as follows:

(1) as to source and protection
(2) as to bacteriological quality
(3) as to physical and chemical characteristics

and in various appendices there were included, notes as requisite information as to source and protection and as to the then current bacteriological practice, and certain desirable chemical and physical characteristics.

The draft of the revisions now proposed includes within the proposed standards provisions (1) as to source and protection similar to those in the existing standards, and (2) a considerable expansion in the detail and scope of the control of the bacteriological quality.

In general these proposed revised standards would require a minimum number of samples based on the population served which would be considerably greater in number than has been the practice to examine in the past. Consideration has also been given in the report to using 100 milliliter portions or 10 milliliter portions at the option of the individual laboratory and to place consideration of the results of the bacteriological tests on a monthly rather than a yearly basis. The effect will be to make the bacteriological requirements more comprehensive.

In addition the requirements of the standards as to physical and chemical characteristics include maximum limits for certain minerals and other chemical substances known to have definitely deleterious physiological effects which if exceeded shall constitute ground for the rejection of the supply for use on common carriers. There are certain suggestions as to maximum amounts of mineral and phenolic compounds which should not be exceeded in water to be used on common carriers but which in themselves would not constitute ground for the rejection of the supply. The tolerances for certain of this latter group of chemicals will probably be raised above those of the 1925 revision and with more specific definition of the tolerance as to alkalinity.

The Drinking Water Standards will be accompanied by a Manual on Water Sanitation Practice prepared by the Technical Sub-Committee of the Advisory Committee. This manual will cover the following features:

1. Physical features of water supply systems and sanitary protection.
2. Recommended sanitary requirements for water treatment systems.
3. Recommended general sanitation requirements for water distribution systems.
4. Discussion of chemical requirements for the revised Drinking Water Standards.

In view of the fact that the revised "Public Health Service Drinking Water Standards" have not as yet been finally adopted and announced though in their final stage of preparation, I am unable to reproduce them in this report but it may be expected that they will be formally promulgated by the Federal Security Agency within a short time.

(Signed) ARTHUR D. WESTON

Annual Report of the Committee on Committees

September 1, 1942

To the New England Water Works Association: This committee was appointed by the Executive Committee of the Association, to promote coordination of committee activities in the Association and to promote the establishment of new technical committees where this seems advisable.

This is an unusual year and committee activities have had to be curtailed for more pressing work. However, the Committee on Committees has followed this year its usual practice of communicating with the various committee chairmen to secure their ideas as to continuance of the committees and their expectations with regard to reports.

On the basis of returns from them, it is expected that the following committee will submit a final report at the 1942 annual meeting:

Committee to Report on the Revision of the U. S. Public Health Service Standards of Water Quality

The following committees will either submit progress reports or in the opinion of this committee they should be continued, even though it is probable that work on committee reports will be of necessity lessened under war conditions.

Committee on the Award of the Dexter Brackett Memorial Medal for 1941
Committee on New Members
Finance Committee
Sectional Committee on Code for Pressure Piping
Committee on Coefficients of Friction in Pipe Lines
Committee on Specifications for Cast Iron Pipe and Special Castings (Sectional Committee under A.S.A.)
Committee on Standardization of Pipe Flanges and Fittings (Sectional Committee under A.S.A.)
Committee on Water Works Education
Committee to Investigate Grounding of Currents on House Plumbing (Cooperating with American Research Committee on Grounding)
Committee on Meter Specifications (Joint Committee with A.W.W.A.)
Committee on Rainfall and Yield of Drainage Areas
Committee on Water Quality Tolerances for Industrial Uses
Committee on Library
Legislative Committee
Committee on Reciprocal Relations with the Institution of Water Engineers (England)
Committee for Survey of Ground Water Supplies in New England
Committee on Water Works Coöperation in Defense
Committee on Sluice Gates

Committee on Survival and Retirement Experience with Water Works Facilities
Committee on Committees
Committee on Cathodic Protection of Steel Ttanks and Standpipes
Committee on Hydrant Specifications (Joint Committee with A.W.W.A.)

War Activities. The only committee whose assignment is directly connected with the war effort is the Committee on Water Works Coöperation in Defense. Each New Engalnd state is represented on this committee. Due to the fact that state water coördinators have been appointed in each state and that these men are closely associated with their state defense or emergency councils or commissions, it does not seem necessary for the Association to appoint additional committees, unless new developments occur. It is felt that the state water coördinators are working closely with the water officials in the New England states who are members of the association. The Committee on Water Works Coöperation in Defense will keep the membership advised as to activities under way and make recommendations as to ways in which the association can aid in the war effort.

Conclusion and Recommendations. It is recommended that the committees listed above be continued by the Association. The times do not appear to warrant extensive committee assignments now except as they relate to the war effort. The interests of water officials are as closely tied to the war program as any other business or profession. The Executive Committee will appoint war emergency committees as the needs arise and the Committee on Coöperation in Water Works Defense working with the state water coördinators will keep the membership advised.

Respectfully submitted,

(Signed) WARREN J. SCOTT, *Chairman*
THOMAS R. CAMP
HARRY U. FULLER
ARTHUR C. KING
ARTHUR L. SHAW

Committees of the New England Water Works Association

1942-1943

Finance Committee: Horace J. Cook, Chairman, Walter B. Bushway, Daniel M. Sullivan.

Technical Program Committee: Joseph C. Knox, Chairman, Frederick O. A. Almquist, Sidney S. Anthony, Gordon M. Fair, George A. Sampson, Roger Oakman, E. Sherman Chase, Executive Committee members.

Committee on New Members: Roger Oakman, Chairman, Frederick O. A. Almquist, Sidney S. Anthony, Percy R. Sanders, Ernest J. Sullivan, James V. Turner, Burton L. Winslow.

Sectional Committee on Code for Pressure Piping: Thomas F. Wolfe.

Committee on Coefficients of Friction in Pipe Lines: Elson T. Killam, Chairman, Frank A. Barbour, William W. Brush, Charles W. Sherman.

Committee on Specifications for Cast Iron Pipe and Special Castings (Sectional Committee under A.S.A.): William R. Conard, Chairman, Arthur L. Shaw.

Committee on Standardization of Pipe Flanges and Fittings (Sectional Committee under A.S.A.): William R. Conard, Chairman, Frank A. Barbour.

Committee on Water Works Education: Robert Spurr Weston, Chairman, Gordon M. Fair, Percy R. Sanders.

Committee to Investigate Grounding of Currents on House Plumbing (Cooperating with the American Research Committee on Grounding): George A. Sampson, Chairman, Warren A. Gentner, Arthur P. Harrington, Edward E. Minor.

Committee on Meter Specifications (Joint Committee with A.W.W.A.): Richard H. Ellis, Chairman, Warren A. Gentner, D. H. Hall.

Committee on Rainfall and Yield of Drainage Areas: Arthur D. Weston, Chairman, Harold K. Barrows, Paul L. Bean, Richard S. Holmgren, Francis H. Kingsbury, Harvey B. Kinnison, Elbert E. Lockridge, Arthur T. Safford, Caleb M. Saville, Ralph M. Soule, Charles W. Sherman, Miner R. Stackpole, James L. Tighe.

Committee on Water Quality Tolerances for Industrial Uses: Edward W. Moore, Chairman, Stuart E. Coburn, Lewis Olney, Hervey J. Skinner, Robert S. Weston.

Committee on Library: E. Sherman Chase, Chairman, Francis H. Kingsbury.

Legislative Committee: Arthur C. King, Chairman, Sidney S. Anthony, Theodore L. Bristol, James J. Dillon, Madison H. Goff, George A. Reed, Percy S. Sanders, Stephen H. Taylor.

Committee on Reciprocal Relations with the Institution of Water Engineers (England): E. Sherman Chase, Chairman, Leland G. Carlton, Percy A. Shaw.

Committee for Survey of Ground Water Supplies in New England: Leslie K. Sherman, Chairman, Joseph C. Knox, Howard H. Potter, Walter J. Shea, E. L. Tracy, Leonard Trager.

Committee on Water Works Cooperation in Defense: Arthur D. Weston, Chairman, Theodore L. Cate, Harry U. Fuller, G. E. Lourie, Joseph E. Moore, Walter J. Shea.

Committee on Sluice Gates: William R. Conard, Chairman, Harold W. Griswold.

Committee on Survival and Retirement Experience with Water Works Facilities: Leland G. Carlton, Chairman, Harry U. Fuller, Reeves Newsom, Arthur V. Ruggles, Thomas H. Wiggin.

Committee to Report on Developments in Our Knowledge of Corrosion and Its Mitigation: Edward W. Moore, Chairman, Lazarus Rubin, Walton H. Sears.

Committee on Committees: Warren J. Scott, Chairman, Thomas R. Camp, Harry U. Fuller, Arthur C. King, Arthur L. Shaw.

Committee on Cathodic Protection of Steel Tanks and Standpipes: Donald C. Calderwood, Chairman, Harry U. Fuller, Madison H. Goff, William P. Melley.

Committee on Hydrant Specifications (Joint Committee with A.W.W.A.): Roger W. Esty, Chairman, Harry U. Fuller, Harold W. Griswold.

Committee on Sanitary Hazards of Interior Piping, Fixtures and Water Storage within Buildings (Joint Committee with A.W.W.A.): Stephen H. Taylor, Chairman, Arthur V. Harrington, Howard C. Mandell, E. J. Sullivan.

Committee on Post-War Activities: E. Sherman Chase.

Reprinted from JOURNAL OF THE AMERICAN WATER WORKS ASSOCIATION
Vol. 34, No. 12, December, 1942

Revisions in Standard Specifications for Elevated Steel Water Tanks, Standpipes and Reservoirs

FOLLOWING is a series of revisions to the Standard Specifications for Elevated Steel Water Tanks, Standpipes and Reservoirs—7H.1–1941, adopted as standard by the A.W.W.A. June 26, 1941 and by the American Welding Society July 23, 1941. These revisions as approved by Committee 7H on Steel Standpipes and Elevated Tanks, Louis R. Howson, Chairman, were transmitted to the A.W.W.A. Board of Directors and the Water Works Practice Committee and approved by them as of October 1, 1942.

The revisions are listed here by their section and sub-section designations in the specifications:

2.11 (*b*) Revise the final phrase in the last line to read: "using the GA-60 classification." (This change will make the classification conform to the new numbering of A.W.S. specifications.)

3.02 (*d*) Revise the second paragraph to read: "For columns and struts of structural shapes, the projected area shall be calculated. Struts on the leeward side of the tower shall be assumed as being shielded 50 per cent by those on the windward side. In the case of columns and sway rods, the wind pressure shall be applied on the projected area of each member."

3.04 (*c*) To the end of this section, add: "It is not necessary to combine wind stress and earthquake stress, but to proportion each member for the larger of the two in combination with stresses produced by other causes."

5.06 To the end of this section, add: "These shall consist of struts connecting the foundation piers, or of structural members connecting the lower ends of the columns."

5.07 Revise the first paragraph to read: "Such members shall be designed to resist the wind load and the earthquake load if the latter is specified. It is not necessary to combine wind and earthquake loads but to design for the maximum stress produced by either force. If the projected centers of gravity of tension members do not meet the projected center of gravity of structural members at the center of gravity of the columns, proper allowance shall be made for the eccentricity."

11.05 (*b*) Revise (to remove ambiguity and to conform to late revision made by the A.W.S.) to read: "In joints subject to primary stress from weight or pressure of tank contents: One segment shall be cut from the first 10 ft. of completed joint welded by each operator. Thereafter, one segment shall be cut from approximately every 100 ft. of joint, except that if the sum of the lengths of vertical joints in any course is less than 100 ft., one segment shall be cut from one vertical joint in each course of cylindrical tank shells. It is permissible to test two operator's work with one segment if they weld opposite sides of the same seam. When a segment of this type is rejected it must be determined whether one or both operators were at fault, by subsequent tests of the individual operator's work."

11.05 (*c*) Revise (for the same reason as above) to read: "In joints subject to secondary stress: One segment shall be cut from approximately every 200 ft. of joint, except that if the full length of a circumferential seam is less than 200 ft., one segment shall be cut from each circumferential seam of cylindrical tank shells."

11.08 (*c*) Revise to read: "For butt joints, slag inclusion is permissible where it occurs between layers of the weld, is substantially parallel to the plate surface, and is equal to not more than one-half the width of the weld metal; and when it occurs across the thickness of the plant and is equal to not more than 10 per cent of the thickness of the thinner plate."

11.08 (*d*)–(*i*) Reletter these sub-sections to read sub-sections (*e*)–(*j*), respectively; then insert the following paragraph as sub-section 11.08 (*d*):

"(*d*) For lap joints, slag inclusion is permissible where it occurs between layers of the weld, is substantially parallel to the face of the weld, and is equal to not more than one-half the width of the weld metal, measured in a direction parallel to the face of the weld; and when its greatest dimension measured in a direction perpendicular to the face of the weld does not exceed 10 per cent of the throat."

12.02 Revise the first sentence to read: "After the bottom has been welded completely including the attachment of at least the first course shell sheet, ..."

A21.5 - 1940

Proposed

American Standard

SPECIFICATIONS

for

COAL-TAR-DIP COATING FOR CAST IRON PIPE AND FITTINGS

These specifications are tentative and are pre-printed in this form for the purpose of obtaining final approval from the members of Committee A21 as well as from the sponsor associations.

Their present use in contract documents as specifications promulgated by the A.S.A., A.G.A., A.S.T.M., A.W.W.A. or the N.E.W.W.A. is not authorized.

These Proposed Specifications have been approved by Committee A21 of the American Standards Association on which the New England Water Works Association is represented; they are included in the JOURNAL *of the N.E.W.-W.A. for the information of the membership in anticipation of formal action.*

SPONSORS

The American Gas Association

The American Society for Testing Materials

The American Water Works Association

The New England Water Works Association

AMERICAN ENGINEERING AND INDUSTRIAL STANDARDS

PROPOSED AMERICAN STANDARD SPECIFICATIONS

for

COAL-TAR-DIP COATING FOR CAST IRON PIPE AND FITTINGS

Section 5-1. General Description

Pipe and fittings for which coal-tar-dip coating is specified shall be coated all over, inside and out, by dipping the heated pipe and fittings in a tank or vat of hot coal tar; except that pipe and fittings to be subsequently lined with cement mortar shall be coated on the outside only, as by suspending the heated pipe or fitting over the vat of hot tar and applying the tar by pouring or brushing, or by other equivalent means. *Subject to the limitations and conditions of Sect. 5-9*, a coal-tar-pitch paint may be substituted for the coal-tar-dip coating. The cleaning of the pipe, the coating material and its application, and the finished coating shall conform to the requirements of Sects. 5-2 to 5-9 inclusive.

Sect. 5-2. Cleaning

All pipes and fittings shall be thoroughly cleaned and shall be entirely free from grease and substantially free from blacking, dirt, loose sand, rust, slag, soda or other flux when dipped or painted.

Sect. 5-3. Coating Material

The coating material shall be gas-house coal tar or coke-oven coal tar or coal-tar pitch (as defined in Standard Definitions A.S.T.M. Designation D 8-33 or latest revision) or a mixture of these tars, and it shall meet the following requirements.

(a) Moisture not more than 0.7 per cent.

(b) Matter insoluble in carbon disulfide not less than 5 per cent nor more than 20 per cent.

(c) Float test at 50°C. to be made and time recorded (1).*

* Numbers in parentheses refer to notes following this specification.

The foregoing tests shall be made in accordance with the Standard Methods of the American Society for Testing Materials, latest revision, including the following A.S.T.M. Designations: moisture D 95-30; float test D 139-27; matter insoluble in carbon disulfide D 4-27, Method 1. The results of all tests shall be a matter of foundry record and available to the purchaser.

Sect. 5-4. Routine Control of Coating Material

The temperature of the tar in the dipping tank shall be read at least once in every 3 hours. A float test shall be made every day on a sample taken from the dipping tank. New material shall be added in small quantities, preferably not more than 5 per cent of the volume of the residual contents of the dipping tank at any one time. When it becomes necessary to use a thinner, a heavy coal-tar distillate known as anthracene oil, or a thin coal tar of suitable consistency and otherwise conforming to Sect. 5-3 hereof, shall be used.

Sect. 5-5. Temperature of Tar

The temperature of the tar in the dipping tank shall be maintained at the optimum temperature (1) for the kind of tar, thickness and temperature of the pipe and other details of the coating process used, within a plus or minus tolerance of 20°C. The manufacturer shall determine the optimum temperatures of the tar and of the pipe, that is the temperatures giving the best coating, for each thickness of pipe, as judged by the standards of Sects. 5-7 (a) and 5-8 hereof, which temperature shall be made a matter of foundry record and available to the purchaser.

Sect. 5-6. Heating of Pipe

Before dipping, the pipe shall be so heated that its temperature shall be as nearly uniform as practicable throughout both its length and its circumference. The temperature of one or more representative pipe of each thickness-group shall be measured with an accurate contact pyrometer at least twice in every shift at not less than 3 points on each of two opposite sides, at the spigot end, at the bell end, and near mid-length. For the purposes of this specification all pipe differing in nominal thickness of barrel from the pipe tested by not more than 0.10 inch shall constitute a thickness-group. At the time of dipping all parts of each pipe shall be within 50°C. of the optimum temperature as defined in Sect. 5-5.

Sect. 5-7. Electrical Resistance Tests

(a) *Requirements.* From the product of each dipping tank, one pipe in each thickness group, of those dipped at approximately 2-hour intervals, including one pipe from the first and one from the last bundle dipped per shift, or the first and last pipe if dipped separately, shall be tested with the device described in Sect. 5-7 (e). The test shall be applied at each of the locations hereinafter specified. When so tested no pipe shall give an average of the readings at all locations exceeding 0.6 volt (3). Fittings shall be subjected to the same test, with the same frequency and shall meet the same requirements. For straight pipe 3 inches and 4 inches in diameter the center of the pad shall be applied at 2 points and for straight pipe of larger diameter at 4 points, in each case equally spaced around the circumference, at each of the following 7 locations: on the inside of the pipe at 2 inches from each end of the bore and as far into the pipe from each end as can conveniently be reached; on the outside of the pipe at mid-length and at 6 inches from the end of the spigot and from the root of the bell. For branchless fittings, the test locations shall be as for straight pipe, except that test locations other than those nearest the ends of the pipe may be omitted from fittings less than 3 feet in length; for branched fittings, each outlet shall be treated as an end of straight pipe subject to the above exception for short fittings. If any supplementary coating has been applied to a part only of the inside, or of the outside, or to parts of both the inside and the outside of a pipe or fitting, either before or after the application of the coal-tar-dip coating, at least half of the readings on the inside or on the outside, or on both, as the case may be, shall be made where such supplementary coating has not been applied. The results of all tests made by the manufacturer shall be a matter of foundry record and available to the purchaser. In all cases the purchaser shall have the right to select the pipe or fittings to be tested.

(b) *Rejection.* Should the coating on any pipe or fitting fail to meet the electrical resistance test, the coating on that pipe or fitting shall be rejected, and the manufacturer shall test two other pipe or fittings as the case may be, from the same thickness group and which have been dipped in the same tank within one-half hour of the time of dipping of the rejected pipe or fitting. Should either of these fail to meet the test the purchaser may reject the coatings on all pipe or fittings, as the case may be, of the same thickness group, which have been dipped in that tank within one hour of the

time of dipping of the pipe which first failed, except such as shall be individually tested and shall pass the test.

(c) *Repairs and retest.* The coatings of pipe and fittings rejected for failure to pass the electrical resistance test, but which fulfill all the requirements of Sect. 5-8 may be repaired with coal-tar-pitch paint conforming in material and application to the requirements of Sect. 5-9, provided that all salt from the test is washed off and the pipe thoroughly dried before painting. Such coatings as are so repaired and are retested and meet the requirements of Sect. 5-7 (d) shall be accepted.

(d) *Test of cold paint.* When a cold coal-tar-pitch paint is used in place of the hot coal-tar-dip coating, the average of all voltage readings shall not exceed the limit specified in Sect. 5-7 (a).

(e) *Testing apparatus and procedure.* The apparatus shall consist of the following elements electrically connected in series, with soldered joints wherever secure binding posts are not provided: (*1*) an electrode consisting of a $2\frac{1}{2}$-inch square flexible pad of bronze or copper wire screen cloth backed with a $2\frac{1}{2}$-inch square pad of $\frac{3}{4}$-inch thick sponge rubber and covered with felt $\frac{1}{16}$-inch thick; (*2*) a rubber covered flexible wire or cable with one end soldered to the bronze or copper pad; (*3*) a 3-volt-300-ohm voltmeter; (*4*) a No. 6 $1\frac{1}{2}$-volt dry cell and a single pole switch in any convenient sequence; (*5*) a rubber covered flexible wire or cable with its distant end soldered to a sharp steel prod (3). The felt-covered copper pad shall be connected to the negative (−) and the prod to the positive (+) pole of the battery. To test a coating, the electrode, freshly saturated with a 3 per cent solution of common salt, is applied to the surface to be tested and the circuit completed by driving the steel prod through the coating into the cast iron on the joint surface of spigot or bell or on the face of the bell. Contact shall be maintained until the reading remains constant for at least 3 seconds. The voltage of the battery shall be tested before and after each series of readings by applying the saturated pad and the prod to clean uncoated and unrusted iron or steel, and the battery shall be discarded when the reading so obtained falls below 1.4 volts. A clamp fitted with a sharp steel point may be used instead of the prod, but with either clamp or prod the point shall be kept sharp and shall be driven completely through the coating and into the cast iron exposing clean, bright metal. (For construction of the pad, wiring diagram and a convenient assembly see Note 4.)

Sect. 5-8. Finished Coating

The finished coating on both pipe and fittings shall be smooth, glossy, neither brittle when cold nor sticky when exposed to the sun, and shall be strongly adherent to the pipe at all temperatures. It shall be free from blisters and visible holes and interior abrasions. If so stipulated in the purchase order it shall, when leaving the foundry, be free from outside abrasions due to rolling on the skids or to other causes, except that handling marks or abrasions on the joint surfaces of spigot and bell and on the outside of the rim of the bell, shall not be cause for rejection; nor shall skid tracks or other abrasions of the outside coating be cause for rejection if they have been repaired with one full coat of coal-tar-pitch paint. Ends which have been cut and iron or steel bands which have been applied, after dipping, shall likewise be given one full coat of such paint. Coal-tar-pitch paint, wherever applied, shall conform in material and application to the requirements of Sect. 5-9.

Sect. 5-9. Coal-Tar-Pitch Paint

Subject to approval by the purchaser both of the use of a cold paint and of the brand of paint to be used, two coats of an approved coal-tar-pitch paint may be substituted for the coal-tar-dip, for coating the outside of cement-mortar lined pipe and fittings and for coating both the inside and the outside of such 48-inch and larger pipe and fittings as cannot be heated and dipped with the facilities of the manufacturer's plant. The paint shall consist of a coal-tar-pitch base dissolved in a volatile coal-tar solvent; it shall be homogeneous and free from water or extraneous matter; and when brushed to a thin film on a metal plate it shall dry to a hard, tough, tenacious, glossy black surface in not more than 6 hours when exposed at a temperature of not less than 60°F. The paint shall be applied in two full coats, each without visible pin holes or holidays. The second coat shall not be applied until the first coat is thoroughly dry and neither coat shall be applied except when the casting is entirely free from frost and moisture, and not colder than 40°F. Coal-tar-pitch paint shall be used on the inside of pipe and fittings for the conveyance of potable water only after demonstration to the satisfaction of the purchaser that the brand of paint to be used will not impart objectionable taste or odor to the water under the conditions of size of casting and of drying time, temperature and ventilation which will prevail before laying (2).

Notes

(These notes are not a part of the specification but are for information only)

(1) While there is probably one best consistency of tar and one best set of pipe and tar temperatures, intervals between dips, etc., for each thickness of pipe, the present equipment of the different foundries makes considerable variation in these factors from shop to shop unavoidable. To some extent unavoidable but known departure from the optimum in one factor can be offset by controlled variation of one or more of the others. The purpose of this tentative specification is, therefore, to develop that coating practice which will give the best coating practically attainable at each shop without necessitating complete reconstruction of the heating and dipping equipment; hence the lack of definiteness in certain details. In the experiments on 6-inch pipe made for the committee the best coatings were produced under the following conditions:

Float test, 75 seconds plus or minus 25 seconds;
Temperature of tar, 100°C. plus or minus, 20°C.;
Temperature of pipe, 150°C. plus or minus 50°C., preferably at 150°C. when immersed in the tar;
Time in dipping bath at each of 2 dips, 2 minutes.

(2) A reputable manufacturer recommends the following specification for coal-tar-pitch paint:

Specific gravity, 25°C./25 C.;	1.07 to 1.12
Specific viscosity, Engler, 50 c.c. at 25°C.;	10 to 15
Flash Point, Tag Open Cup	Not less than 80°F.
Total Bitumen Soluble in Carbon Disulfide	88 to 96 per cent

Distillation, A.S.T.M. Standard Method D 20-30:

to 200°C., per cent by weight	Not less than 20
to 235°C., per cent by weight	Not less than 25
to 300°C., per cent by weight	Not more than 45

Softening Point of Distillation Residue, 55° to 75°C.
A.S.T.M. Standard Method D 36-26.

Another reputable manufacturer recommends a paint made of similar materials but of the following Engler specific viscosity:

Heavy grade, at 40°C	5 to 9
Light grade, at 40°C	2.5±

The committee prefers paints of heavier grades. The following are some of the paints meeting the above specifications:

Barrett's Everjet—The Barrett Co.
Koppers Black Metal Paint (Heavy Grade)
Koppers Black Metal Paint No. 2 (Light Grade)

(3) The voltmeter reading is inversely proportional to the quality of the coating, the higher readings indicating the poorer coatings, the lower readings the better coatings.

(4) A convenient method of constructing the pad is given on the following pages.

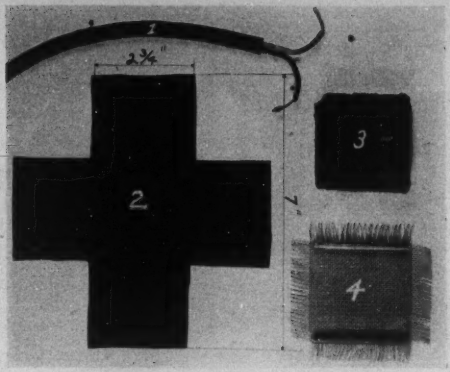

FIG. 1. Material Used in Construction of Electrode

The materials used in making the electrical resistance testing outfit are:

1. Two-strand flexible rubber covered wire, #16 or larger, both conductors of the same polarity.
2. $\frac{1}{16}$-inch thick felt cut to dimensions shown.
3. $2\frac{1}{2}$x$2\frac{1}{2}$x$\frac{3}{4}$-inch rubber sponge.
4. 20 mesh, 26 B&S gage bronze screen wire reinforced by two $\frac{1}{16}$-inch diameter bronze rods $2\frac{7}{16}$-inch long. Cut screen wire 4x4 inches and reduce mesh portion to $2\frac{1}{2}$x$2\frac{1}{2}$ inches by removing wires from the edges as shown.

Method of Assembly

Solder flexible lead wires and bronze reinforcing rods at the edges of the $2\frac{1}{2}$x$2\frac{1}{2}$-inch mesh portion of the screen wire. Place on rubber sponge and crimp projecting ends of screen wire into sponge sufficiently to hold securely as shown in Fig. 2.

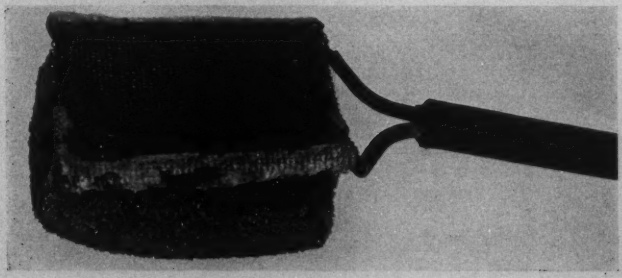

FIGURE 2

Lace felt over screen wire and sponge as shown in Figs. 3 and 4. Lacing must be over rubber sponge, leaving smooth felt over screen wire.

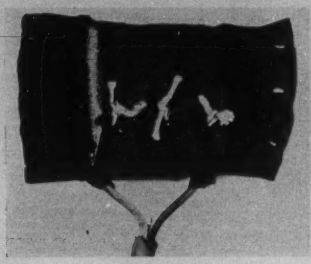

FIGURE 3

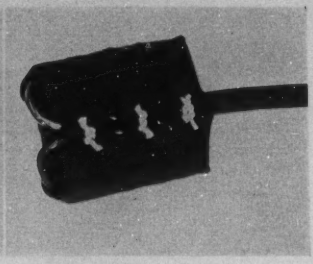

FIGURE 4

A suggested assembly of the voltmeter, switch and battery is shown in Figs. 5 and 6. A wiring diagram is given as Fig. 7.

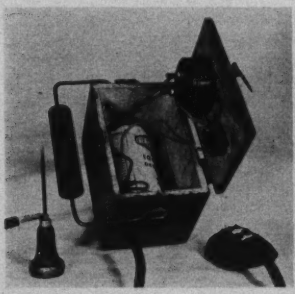

FIGURE 5

FIGURE 6

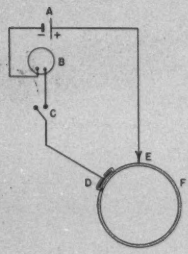

FIG. 7. Wiring Diagram.
A—No. 6, 1.5-volt dry cell.
B—3.0-volt, 300-ohm voltmeter.
C—Switch.
D—Electrode (see Figs. 1 and 2).
E—Sharp steel prod.
F—Coated material to be tested.

7M.1-T

American Water Works Association

TENTATIVE SPECIFICATIONS

for

COLD WATER METERS

DISPLACEMENT TYPE

The American Water Works Association has approved and promulgated these "Tentative Specifications for Cold Water Meters—Displacement Type." They are based upon the best known experience and are intended for use under normal conditions. They are not designed for unqualified use under all conditions and the advisability of use of the material herein specified for any installation must be subjected to review by the engineer responsible for the installation in the particular locality concerned.

These Tentative Specifications are being included in the JOURNAL *by vote of the New England Water Works Association for the information of its members.*

Approved by the Board of Directors of the A. W. W. A.
November 1941

Third Printing, December 1942

AMERICAN WATER WORKS ASSOCIATION

22 East 40th St., New York, N. Y.

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FOREWORD

These *tentative* specifications were prepared by a committee of the American Water Works Association consisting of S. F. Newkirk, Jr., Chairman, Edw. V. Buchanan, James G. Carns, Jr., A. P. Kuranz, H. W. Niemeyer, H. V. Pedersen, George Read, George J. Rohan, George C. Sopp, L. S. Vance and W. Victor Weir. The committee has had the benefit of the technical experience of the Meter Manufacturers' Advisory Sub-Committee consisting of Chas. Bachmann, Chairman, R. R. Anderson and A. R. Whittaker. The New England Water Works Association has appointed a committee consisting of Richard H. Ellis, Chairman, Warren A. Gentner and D. H. Hall, which group has co-operated fully in the preparation of these specifications and will make proper recommendations to the N.E.W.W.A. concerning approval by that organization.

These *Tentative* Specifications have been approved by the A.W.W.A. Committee on Water Works Practice by letter-ballot dated August 26, 1941. They have also been approved by the Board of Directors of the A.W.W.A. by letter-ballot dated October 31, 1941. No member of either the Committee on Water Works Practice or the Board of Directors voted "no" in reference to the Tentative Specifications as a whole. Exceptions to certain items were noted by one of the twelve members of the Committee on Water Works Practice and by three of the thirty-three members of the Board of Directors. The exceptions noted were:

(1) To Table 1 which allows a maximum of 435 nutations per cubic foot measured; (2) to Table 1 which sets the minimum flow to be tested of $\frac{1}{4}$ gal. per min. for a $\frac{5}{8}$-inch meter; (3) to Sect. 1-3.2 which allows, as an alternate, the use of protective treated iron or steel bolts on $1\frac{1}{2}$-inch and larger meters; (4) to Sect. 1-5 which establishes 150 lb. as the maximum working pressure for which meters shall be designed; and (5) to the note at the end of the specifications which allows ten years as the maximum period of recommended operation between tests of $\frac{5}{8}$-inch meters. These exceptions will be reviewed when the specifications are considered for approval as *Standard.*

Effective Date: These "*Tentative* Specifications for Cold Water Meters—Displacement Type" *on January 1, 1943,* will supersede the "Standard Specifications for Cold Water Meters—Disc Type" adopted by the A.W.W.A. June 9, 1921. They may, in the meantime, be used as a basis of purchase of water meters whenever their use is agreed to by the customer and the manufacturer.

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TENTATIVE SPECIFICATIONS FOR COLD WATER METERS—DISPLACEMENT TYPE

Section 1-1—Scope of Specifications

1-1.1 *Scope.* These specifications embrace the various types and classes of cold water displacement meters for general water works service and cover the materials and workmanship employed in their fabrication.

1-1.2 *Kind and Type.* The kinds of meters covered are displacement meters known as reciprocating, rotating, oscillating and nutating piston meters. These meters are practically positive in action and the pistons displace or carry over a fixed quantity of water for each stroke, revolution, oscillation or nutation.

Section 1-2—Capacity, Size and Length

1-2.1 *Capacity.* Capacity or delivery classification shall be the quantity given in Table 1, Column 2, and is determined by the quantity delivered at the permissible maximum loss of head.

Meters 1 in. and smaller shall have a loss of head not exceeding 15 lb. per sq.in. and larger meters a loss of head not exceeding 20 lb. per sq.in., when the rate of flow is that given in Table 1, Column 2.

1-2.2 *Size.* The size of the meter given in Table 1, Column 1, shall be in terms of the nominal size of opening in the inlet and outlet spuds or flanges of the meter.

1-2.3 *Length.* The length of the meter, given in Table 2, Columns 2 and 3, shall be the overall distance, face to face of spuds or flanges.

Section 1-3—Design

1-3.1 *Cases.* All meters shall have an outer case with a separate measuring chamber in which the piston operates. The outer case for all 2-inch and smaller meters shall be of bronze composition.

The outer cases for meters larger than 2 in. shall be of bronze composition or of cast iron protected by a non-corrosive treatment. Castings shall not be repaired, plugged, brazed or "burned in." Cast-iron frost bottoms, protected by non-corrosive treatment, may be provided.

TABLE 1

(1) METER SIZE	(2) SAFE MAXIMUM OPERATING CAPACITY*	(3) MAXIMUM LOSS OF HEAD	(4) MINIMUM TEST FLOW	(5) NORMAL TEST FLOW LIMITS	(6) SPEED OF PISTON, REVOLUTIONS OR NUTATIONS PER CUBIC FOOT
in.	*g.p.m.*	*lb. per sq.in.*	*g.p.m.*	*g.p.m.*	
$\frac{5}{8}$	20	15	$\frac{1}{4}$	1 to 20	435
$\frac{3}{4}$	30	15	$\frac{1}{2}$	2 to 30	250
1	50	15	$\frac{3}{4}$	3 to 50	115
$1\frac{1}{2}$	100	20	$1\frac{1}{2}$	5 to 100	50
2	160	20	2	8 to 160	30
3	300	20	4	16 to 300	15
4	500	20	7	28 to 500	7
6	1000	20	12	48 to 1000	3

*See note 3a (*re* Excessive Wear) on page 9.

TABLE 2

(1) METER SIZE	METER LENGTH (2) Screw Ends	METER LENGTH (3) Flange Ends	(4) TAIL PIECE LENGTH	MAXIMUM INDICATION OF INITIAL DIAL (5) Cubic Feet	MAXIMUM INDICATION OF INITIAL DIAL (6) Gallons	MINIMUM CAPACITY OF REGISTER (7) Cubic Feet	MINIMUM CAPACITY OF REGISTER (8) Gallons
in.	*in.*	*in.*	*in.*			*in millions*	*in millions*
$\frac{5}{8}$	$7\frac{1}{2}$		$2\frac{3}{8}$	1	10	0.1	1
$\frac{3}{4}$	9		$2\frac{1}{2}$	1	10	1	10
1	$10\frac{3}{4}$		$2\frac{5}{8}$	10	100	1	10
$1\frac{1}{2}$	$12\frac{3}{4}$	13		10	100	10	100
2	$15\frac{1}{4}$	17		10	100	10	100
3		24		10	100	10	100
4		29		100	1,000	100	1,000
6		$36\frac{1}{2}$		100	1,000	100	1,000

All meters shall have cast on them, in raised characters, the size and model. The direction of the flow through the meter shall be properly indicated. Meters larger than 1 in. shall be designed for easy removal of all interior parts without disturbing the connections to the pipe line.

1-3.1.1 *Frost Protection Devices.* The cast-iron bottom caps of frost-proof meters or other frost protection devices shall be of such

design that they will break or yield under normal freezing conditions before damage is done to any other part of the meter.

1-3.2 *External Case Bolts.* All external bolts or cap bolts, including washers, on 1-inch and smaller meters shall be of non-ferrous material (except that when breakable washers are used for frost protection the bolts and washers shall be made of suitable materials). Bolts and washers on 1½ inch and larger meters shall be of non-ferrous material, or protective treated iron or steel. Nuts shall be of non-ferrous material and be designed for easy removal after having been long in service.

1-3.3 *Connections.*

1-3.3.1 *Connections for ⅝-, ¾- and 1-Inch Meters.*

Spuds of meters shall have straight threads conforming to the American Standard (National Standard) screw threads (ASA B1.1—1935) ¾ in. for ⅝-inch meters, 1 in. for ¾-inch meters and 1¼ in. for 1-inch meters. The pitch diameters for ⅝-inch spuds shall be between 0.978 and 0.988 in.; for ¾-inch spuds, between 1.227 and 1.237 in.; and for 1-inch spuds between 1.563 and 1.573 in.

Coupling nuts shall be made of bronze or brass composition, and shall be tapped American National (ASA B1.1—1935) straight thread. The pitch diameter for ⅝-inch coupling nuts shall be between 0.992 and 1.002 in.; for ¾-inch coupling nuts between 1.242 and 1.252 in.; and for 1-inch coupling nuts between 1.584 and 1.595 in.

Coupling tail pieces shall be made of bronze or brass composition. For ⅝-inch meters they shall be threaded ½ in.; for ¾-inch meters, ¾ in.; and for 1-inch meters, 1 in., external thread, standard pipe size. They shall be so threaded that the American National (ASA B1.1—1935) tapered pipe-thread ring gage will screw tight by hand on the tail piece until the end of the gage is flush with the end of the thread. Overall length of tail pieces shall be as given in Table 2, Column 4.

1-3.3.2 *Connections for 1½- and 2-Inch Meters.* Main case connections for 1½- and 2-inch meters may be either spuds or flanges as required.

Spuds shall be tapped 1½ and 2 in. respectively, internal thread, standard pipe size, so that an American National (ASA B1.1—1935) tapered pipe-thread plug gage will screw tight by hand into the spud until the gaging notch is flush with the face.

Flanges shall be faced and drilled and shall be either of the round or oval type as required. If of the round type they shall conform to the American 125-pound standard flange (ASA B16a—

1939) for diameter, drilling and thickness. If of the oval type, the drilling shall be on the horizontal axis, the thickness shall be at least as great as required for round flanges, and the diameter of the bolt circle shall be 4 in. for 1½-inch meters and 4½ in. for 2-inch meters. The companion flanges shall be made of cast iron, and shall be tapped 1½ and 2 in. respectively, internal thread, American National (ASA B1.1—1935) tapered pipe size. Companion flanges, gaskets, bolts, nuts, and washers shall be provided.

1-3.3.3 *Connections for 3-, 4-, and 6-Inch Meters.* Flanges shall be of the round type, faced and drilled, and the dimensions and drilling shall conform to the American 125-pound standard flange (ASA B16a—1939) for diameter, drilling and thickness. Companion flanges shall be faced and drilled and they may be standard companion flanges, flange and bell, flange and spigot, or combination of any. Standard companion flanges shall be tapped 3, 4 and 6 in. respectively, internal thread, American National (ASA B1.1—1935) tapered pipe size. Flange and bell, and flange and spigot connections shall be of cast iron and conform to the American Standard Specifications (ASA A21.2—1939) for Cast Iron Pit Cast Pipe, Class 150, approved by the American Standards Association December 1939, *as far as the specifications apply.* Companion flanges, gaskets, bolts, nuts, and washers shall be provided.

1-3.4 *Registers.* Registers may be either "round-" or "straight-" reading, indicating in cubic feet or gallons.

1-3.4.1 *Round-Reading Registers.* The register pinion and spur gears shall be firmly fastened on their spindles, shall fully mesh with each other and run freely, and shall be so constructed that they cannot become unmeshed. The spindle bearings in the top and bottom register plates shall be bushed with hard vulcanized rubber, or other non-metallic bushings. These bushings shall have sufficient depth to insure ample spindle bearing and sufficient clearance to allow the spindles to revolve freely, shall be fitted so they will not work loose, shall be removable, and shall be as nearly as possible non-warping, non-shrinking, and non-expanding in heat. The register throughout, except for the dial and index hands, shall be plated or given other protective treatment, or shall be made of material as nearly non-corrosive as possible.

The maximum indication of the initial dial and the minimum capacity of the register when indicating cubic feet shall be as given in Table 2, Columns 5 and 7, and when indicating gallons as given in Columns 6 and 8.

All the index circles including the initial circle shall be subdivided into ten equal parts. All hands or pointers shall taper to a sharp point and shall be accurately set and securely held in place.

1-3.4.2 *Straight Reading Registers.* The figures on the number wheels shall be large and distinct so they can be read easily. The register lock and side gears shall be securely fastened to their number wheel discs and hubs. The tumbler pinions shall mesh accurately at the turn-over points with the lock and side gears of the adjacent number wheels. Both main and pinion shafts shall be so secured in the register frame that they cannot get out of position. The pinion shaft shall be so designed that there is no possibility of its bending and allowing the pinion to skip at the turn-over point. All parts of the register shall be plated or given a protective treatment, or shall be made of material as nearly non-corrosive as possible.

The maximum indication of the digits appearing on the first number wheel and the minimum capacity of the register, when indicating cubic feet, shall be as given in Table 2, Columns 5 and 7, and when indicating gallons, as given in Columns 6 and 8.

There shall be a test index circle which shall be divided into 10 equal parts. The hand or pointer shall taper to a sharp point and shall be accurately set and securely held in place.

1-3.5 *Register Boxes.* Register boxes and lids shall be made of bronze composition or of the same material as the top case, with the name of the manufacturer cast on the lid in raised letters. The serial number of the meter shall be plainly stamped on the lid. If required, the serial number shall also be stamped on the case. The lid shall be recessed and shall lap over the box to prevent dirt from accumulating on the glass. The glass shall be inserted from the inside and securely held in place without the use of putty or pins. All register compartments shall be provided with a water escape hole $\frac{1}{8}$ inch in diameter.

1-3.6 *Intermediate Gear Trains.* Intermediate gear trains may be mounted on the measuring chambers or in the upper main casings. Gear train frames, spindles, gears, and pinions shall be made of durable non-ferrous material. Pinions and spur gears shall be firmly fastened, shall fully mesh with each other and shall run freely. The lower end-bearings for pinion and spur gear spindles that revolve shall be fitted with hard vulcanized rubber or other non-metallic bushings fastened in place so they will not fall or work out and shall be easily removable. Gear trains may be of either the oil-enclosed or open type. If of the oil-enclosed type, the gear trains shall have a separate housing or form a housing with the main casings or measuring chamber and shall operate in a suitable lubricant.

1-3.7 *Measuring Chambers.* The measuring chambers for all meters shall be made of bronze or non-ferrous composition and shall not be cast as part of the outer casings. They shall be machined carefully and secured in position in the outer casings so that any slight distortion of the casings which might occur under 150 lb. pressure will not affect the sensitiveness of the meters.

1-3.7.1 *Pistons.* Pistons shall be made of vulcanized hard rubber, shall be smoothly machined, shall be fitted accurately in their measuring chambers and shall operate smoothly and freely. The plates of disc pistons, whether flat or conical, shall have metal reinforcements or shall be equipped with thrust rollers. Disc pistons may be in one piece or the piston plates may be in one piece and the piston balls in two pieces. The piston spindles or shafts shall be securely fastened in the pistons.

The piston reciprocations, rotations, oscillations or nutations per cubic foot shall not exceed the quantities given in Table 1, Column 6.

1-3.8 *Strainers.* All meters shall be provided with strainers, except when self-strained by means of an annular space between the measuring chamber and the external case. Strainer screens shall be installed in the meter and shall be made of heavy sheet copper, or copper alloy, shall be perforated, shall be rigid, shall fit snugly, and shall be easily removed. They shall have an effective straining area as large as practicable and at least double that of the meter main case inlet.

1-3.9 *Seal Wire Holes.* Register box screws and inlet and outlet coupling nuts or connection flanges shall be drilled for seal wire holes. All seal wire holes shall be not less than $\frac{3}{32}$ inch in diameter.

Section 1-4—Registration

The registration on the meter dial shall indicate the quantity recorded to be not less than 98.5 per cent nor more than 101.5 per cent of the water actually passed through the meter while it is being tested at any rate of flow within the limits specified in Table 1, Column 5, under "Normal Test Flow Limits," with water having a temperature of less than 80°F. There shall be not less than 95 per cent of the actual flow recorded when a test is made at the rate of flow set forth in Table 1, Column 4, under "Minimum Test Flow."

Section 1-5—Pressure Test

Meters shall be guaranteed to operate under a working pressure of 150 lb. per sq.in. without leakage or damage to any part.

Section 1-6—Workmanship and Materials

Meters shall be guaranteed against defects in materials and workmanship for a period of one year from date of shipment. Parts to replace those in which a defect has developed within such period shall be supplied without charge, piece for piece, upon the return of such defective parts to the manufacturer thereof or upon proper proof of such defect.

Section 1-7—Rejected Meters

The manufacturer shall at his own expense replace or satisfactorily readjust all meters rejected for failure to comply with these specifications.

Section 1-8—Sample Meter

The manufacturer shall upon request submit a sample of the meter proposed to be furnished, with pressure loss curves for each size of meter.

NOTES

These notes are not part of the specifications. They are given only as information concerning the testing and care of meters and important materials used in meter construction. They are not intended to limit in any way the future development of better materials for general use nor the use of special metals with specific waters which may require materials of different composition to give service equal to that recorded in normal practice.

(1) *Tests*

Capacity tests are those which test the design of the meter. When a meter of a given design has once been tested for capacity it should not be necessary to test this type of meter again unless a change has been made in the design.

Registration tests are those which test the assembly and workmanship of the meter. Each meter should be tested for registration as there is no certainty that, because one meter of a given design is within certain limits of accuracy, all meters of this design will necessarily give similar results. The register furnished with each meter should be used by both the manufacturer and the purchaser in making registration tests.

All meters should be tested for accuracy of registration within, and as near as practicable to, the low and high rates given under "Normal Test Flow Limits," and occasionally additional tests should be made at one or more intermediate points. A test at the "Minimum Test Flow" should be made on as many as possible, and not less than 5 per cent of the meters. If the results obtained from testing 5 per cent of the meters show that any meter does not comply with the low flow requirement, additional meters should be tested to the

extent deemed necessary to make certain that the other meters do comply therewith.

A pressure test should be made on each size of meter of a particular design furnished. This pressure is to be 150 lb. per sq.in., which may be obtained by the use of a hand pump or any method available. The meter should be tested for accuracy before and after it has been tested by static pressure to determine whether there has been any distortion that would affect the registration. It is unnecessary to make more than one pressure test on each size of a given design if satisfactory results are obtained. A working pressure test is preferable to a static pressure test.

If the purchaser has no testing equipment, a certificate should be furnished by the manufacturer showing that each meter has been tested for accuracy of registration and that it complies with the specifications and that the size and design complies with the capacity requirements.

(2) *Testing Equipment*

The minimum test equipment is as follows:

(a) A valve on the supply line which would permit the starting and stopping of the flow without appreciable loss of time.

(b) A valve or other suitable device on the discharge line which can provide the rate of flow desired.

(c) Pressure gages on supply and discharge pipes so any change in pressure which would affect the rate of flow can be detected. The discharge pipe must be under sufficient head to guarantee a pressure on the outlet of the meter.

(d) A measuring device of either the volumetric or weighing type. The accuracy of the determination of the amount of water discharged should be such as to bring the limit of error within 0.25 per cent. The amount of water passed should be sufficient to cause at least one revolution of the pointer on the initial dial except for the test at the "Minimum Test Flow" rate. The amount passed at the "Minimum Test Flow" rate should be of sufficient quantity to secure a true indication of the accuracy.

(e) Two piezometer rings of exactly the same diameter for capacity tests. The piezometer rings must be free from any burrs where the holes are drilled through the wall of the ring, and not fewer than four holes shall be provided, drilled in pairs on diameters at right angles to each other. The inlet ring shall be set close to the meter at a distance of eight diameters or more below the nearest upstream stop valve or fitting, and the outlet ring shall be placed at a distance of between eight and ten diameters from the outlet of the meter. The diameter of the rings, the inlet and the outlet pipes shall be the same as the size of the meter to be tested. The rings are to be connected to a mercury U-tube, equipped with an accurate adjustable scale for measuring the difference in mercury level, by rubber or metallic tubing. Provision is to be made for the complete removal of air from the U-tube and tubing connected therewith and the installation is to be such that air will rise to the air outlets. Where relatively high flows are to be measured, it is necessary to read both sides of the mercury column simultaneously to compensate for irregularities in the diameter of the glass U-tube, and to avoid errors due to fluctuations.

Suitable pressure gages may also be used.

(3) *Care of Meters*

In a displacement meter the motion of the piston is transmitted by a system of gearing to the register where the flow is recorded in convenient units of measure, as cubic feet or gallons. The gearing serves to translate the motion of the piston into the unit of measure indicated by the register. The register is at all times a measure of the number of revolutions, oscillations or nutations of the piston in terms of cubic feet or gallons. It records a true measure of flow only when the meter has been properly calibrated by gear adjustment, and after proper calibration will continue to register correctly only as long as the piston continues to make the proper number of cycles for each unit of quantity passed through the meter. If, after calibration, any condition should develop whereby the piston is compelled to make less than the proper number of cycles per unit of quantity passed through it, the meter will under-register. If the piston is compelled to make more than the proper number of cycles, the meter will over-register. The proper number of cycles is the number made at the time the meter is calibrated. Under ordinary working conditions, there are a number of factors that may cause under- or over-registration after comparatively short intervals. The more important of these factors which should be guarded against to secure proper registration are:

(a) *Excessive Wear.* Excessive wear of the moving parts of the meter may be caused by improper setting, by over-speeding, or, in general, by the selection of a meter too small for the work required. The effect of excessive wear of the piston or measuring chamber is to cause slippage and under-registration. Excessive wear of the intermediate gear train may cause binding of the gears, or gear slippage. In any case, if the meter is not stopped entirely, under-registration will result. To avoid excessive wear, meters should be set in a horizontal position and should not be run at destructive speeds. The capacity of the meters given in the specifications represents the maximum rates of flow at which water should be passed through meters for short periods of time or the peak loads which should come upon meters only at long intervals. These rates would be destructive under continuous service. For continuous 24-hour service meters of the displacement type should not be operated on flows greater than one-fifth of the capacity of the meter.

(b) *Temperatures.* High temperature causes the rubber pistons to expand, tending to create unusual friction or to bind the piston in its chamber. The effect is to cause slippage and under-registration, or failure of the meter. Low temperature has no noticeable effect on the working parts of the meter. Freezing will stop the meter and possibly damage it.

Cold water meters are not affected by temperatures up to about 80°F. In warm climates where the temperature of the water is likely to go above 80°F., meters with clearances slightly larger than ordinary should be used, and accuracies indicated in the specifications must be modified accordingly.

To avoid troubles caused by temperature, meters should be set at locations where they will be protected from heat and frost. At locations where hot water from heating systems may be forced back through the meter, a check and relief valve should be installed on the outlet side of the meter.

(c) *Corrosion.* All the metals used in the construction of a meter are affected by the corrosive action of water. The action is very slow with most potable waters. The effect is to weaken parts of the meter, particularly the

teeth of the open intermediate gears, and to tend to bind meters that are idle for long intervals.

(d) *Material in Suspension.* Foreign material carried in suspension has a tendency to fill the space between the piston and measuring chamber and cause over-registration. Such over-registration, however, is limited and cannot generally exceed 3 per cent.

Meters are provided with strainers which retain the larger particles of material in suspension, but the strainer will soon become clogged if the water is not kept reasonably free of suspended matter. Sand is especially destructive and care should be exercised to keep sand from reaching the supply pipes.

The finer particles of suspended material cannot be prevented from reaching the meter and troubles from this source can be avoided only by cleaning the meter periodically, the interval between cleanings depending upon the quality of the water.

(e) *Periodic Tests.* Meters properly selected as to size and type, will give satisfactory service over a long period of time without attention only when operated under ideal conditions. Under ordinary conditions meters must be given some care if they are to function properly. In most cases it is impossible to ascertain, without actual test, whether a meter which has been in service is registering within the required degree of accuracy. Consequently, to insure reliable meter measurements, it is essential that all meters be subjected to periodic tests. The interval between tests and the method of conducting them must be governed largely by local conditions. Under *average* conditions the following intervals between tests should not be exceeded:

Meter Sizes-Inches	*Years Between Tests*
$\frac{5}{8}$	10
$\frac{3}{4}$	8
1	6
$1\frac{1}{2}$	4
2	4
3	3
4	2
6	1

Many state regulatory commissions specify the intervals between tests on both a time and quantity basis.

(4) *Bronze.* A bronze which is satisfactory for most waters is that of Specifications B62-36 of the American Society for Testing Materials or No. 2 Federal Specifications QQ-B-691a for an alloy of copper, tin, lead and zinc known commercially as composition metal, 85-5-5-5, ounce metal, red brass or hydraulic bronze.

(5) *Rubber.* A satisfactory rubber for pistons and bushings should, among other items, have a specific gravity under 1.2, a minimum tensile strength of 6,500 lb. per sq.in., a maximum elongation of 5 per cent, a hardness (scleroscope test) of not less than 67, a free sulfur content of 3 per cent or less, a free ash content of not more than 3 per cent and a uniformity of cure and physical characteristics.

ADDENDUM

Emergency Alternate Provisions for Tentative Specifications for Cold Water Meters—Displacement Type—7M.1-T

THESE emergency alternate provisions are issued by the American Water Works Association, as of December 1, 1942, in accordance with special procedure in the interest of expediting procurement or conservation of materials during the period of national emergency. They are intended for use where they may be considered by the purchaser of the material as a permissible alternate for the specific application or use desired.

The following emergency alternate provisions, listed here by section and sub-section designations in the specifications, when specified, may be used as alternates in the A.W.W.A. Tentative Specifications for Cold Water Meters—Displacement Type—7M.1-T, and affect only the requirements referred to:

1–3.1 Revise the second sentence to read: "The outer case for all 2-in. and smaller meters shall be of bronze composition or of cast iron protected by a non-corrosive treatment."

1–3.2 Revise to read: "All external bolts or cap bolts, including washers, shall be of protective-treated iron or steel. (When breakable washers are used for frost protection, the bolts and washers shall be made of suitable materials.) Nuts shall be of ferrous material and shall be designed for easy removal after having been long in service."

1–3.5 Revise the first sentence to read: "Register boxes and lids shall be made of the same material as the top case, with the name of the manufacturer cast on the lid in raised letters." *

* UNOFFICIAL EDITORIAL COMMENT: The use of plastics in register boxes and lids may be considered by purchasers as an acceptable alternate to metal, provided that the manufacturer continues to place upon the meter adequate and lasting identification marking.

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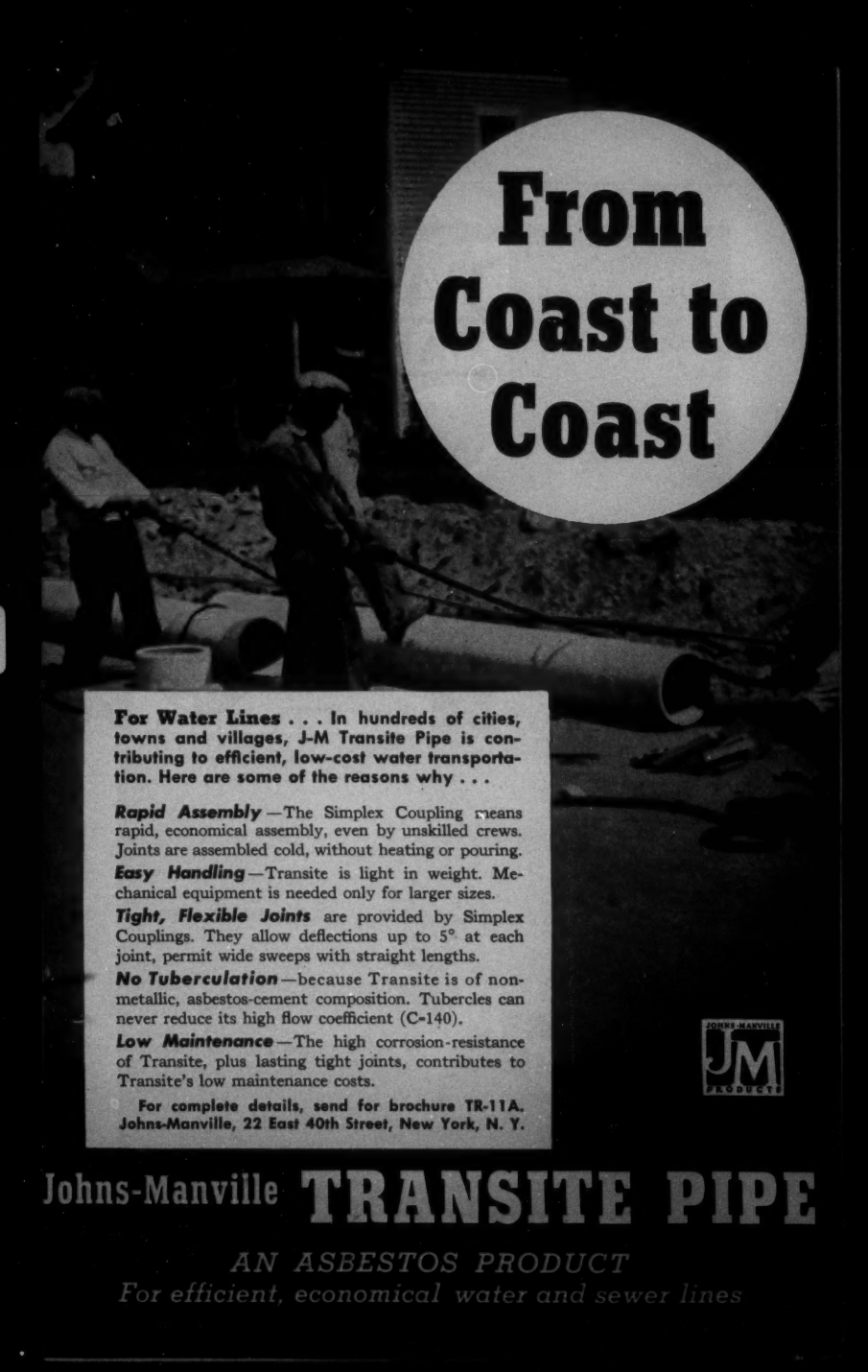

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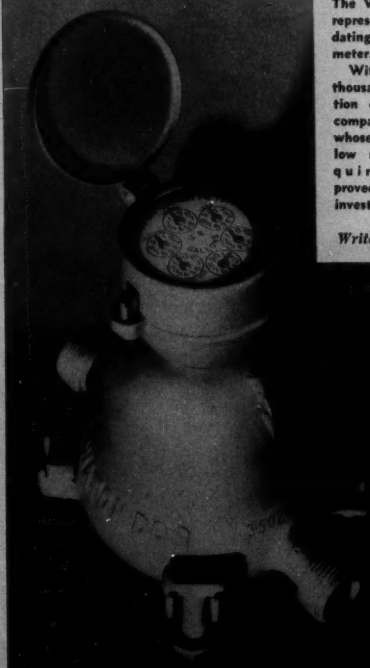

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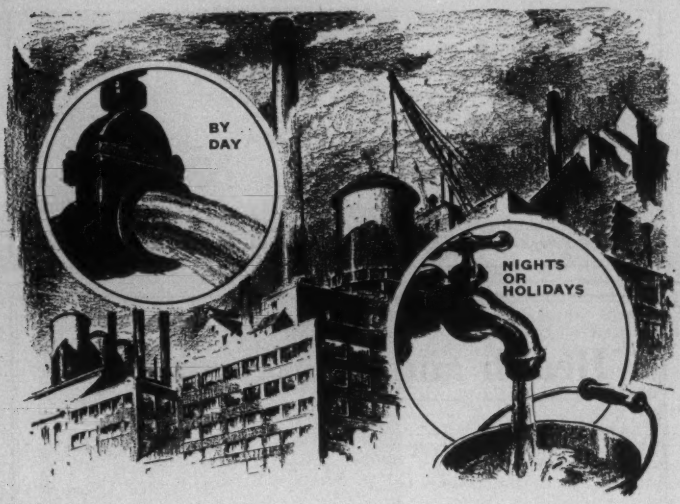

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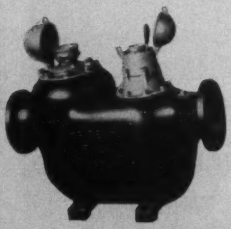

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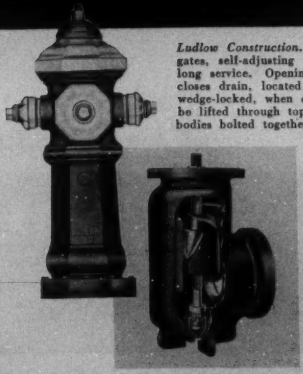
Also proving their worth will be the army of Ludlow Hydrants — then "in service" as never before. Ludlow Hydrants are always ready for action, prepared to deliver a steady flow of water, instantly and with minimum shock. They operate on the famous slide gate principle, which provides smooth action of free moving parts and assures long, trouble-free service. If damaged in a blackout collision or otherwise, the Ludlow Hydrant will not flood, because it is wedge-locked when closed. These, and other superior construction features, make them ideal for that new defense area in your city! Send for Catalog.

THE
LUDLOW VALVE MFG. CO., INC.
TROY, NEW YORK



Ludlow Construction. Self-releasing 30° angle wedges and free-floating gates, self-adjusting to seats, afford smooth, trouble-free performance, long service. Opening and closing of hydrant automatically opens and closes drain, located at lowest point. Clogging is prevented. Gate is wedge-locked, when closed, to prevent flooding. All working parts may be lifted through top of hydrant for easy inspection. Top and bottom bodies bolted together at ground line.

LUDLOW HYDRANTS

SINCE 1866

TIGHT JOINTS

REGARDLESS OF PIPE SIZE OR SOIL CONDITION

UNDER all conditions of service cast iron water mains can be laid with assurance of permanently "bottle-tight" joints if HYDRO-TITE is used as the jointing compound.

No matter how large or small the pipe nor how tough the going may be, HYDRO-TITE will prove the easiest and most economical to use.

HYDRO-TITE has a record of more than a quarter century without a failure anywhere.

A Symbol of Quality

A Dependable Self-Caulking Joint Compound

HYDRO-TITE

HYDRAULIC DEVELOPMENT CORPORATION

Main Sales Office: 50 Church Street, New York, N. Y.
General Offices and Works: West Medford Station, Boston, Mass.

"EVERYTHING-BY-ONE-MANUFACTURER"

HAS ALWAYS HELD APPEAL FOR ENGINEERS WHO WANTED TO PLACE ON ONE FIRM UNDIVIDED RESPONSIBILITY FOR THE SUCCESS OF A WATER WORKS' EQUIPMENT.

IN THESE DAYS, THAT UNIFICATION DOES EVEN MORE. IT REDUCES THE TERRIFIC TASK OF COORDINATING SHIPMENT FROM DIFFERENT FIRMS, EACH OF WHICH OPERATES ON WIDELY VARIED WARTIME SCHEDULES.

NEW CONCENTRATIONS OF INDUSTRY AND ITS WORKERS IN NEW ENGLAND RAISE PRESSING WATER WORKS PROBLEMS. LET FAIRBANKS, MORSE SHOULDER THE LARGER PART OF THEM.

New installations by Fairbanks, Morse at

Windsor, Vermont
Springfield, Vermont
Hill, N. H.
Methuen, Mass.
West Boylston, Mass.
Cumberland, R. I.

•

Write to

FAIRBANKS, MORSE & CO.

178 Atlantic Avenue **Boston, Mass.**

FOR OVER 50 YEARS

Sincerely yours

HAS BEEN PROUDLY INSCRIBED, IN EFFECT IF NOT IN FACT, ON THOUSANDS OF BUILDERS FLOW METERS AND CONTROLLERS!

Builders Venturi Meters with Type M and Flowatch Instruments; Chronoflo Meters for distant metering; and Venturi Controllers and Builders Gauges have, for years, been accepted as "Standard" by Water Works men throughout the country.

Is your bulletin information up-to-date?
If not, write us.

ARMY E NAVY
AWARDED AUG. 1-st 1942

BUILDERS-PROVIDENCE, INC.

9 CODDING STREET • PROVIDENCE, R. I.

BUILDERS
WATER AND SEWAGE WORKS Equipment

Transformed into a SAFETY SECTION by SAFETOP...

THE most vulnerable part of a fire hydrant is immediately above the ground line. This is where breakage occurs when a carelessly backed truck or an automobile out of control smashes into the hydrant.

The Kennedy SAFETOP Fire Hydrant has been specially designed to solve this problem. When struck by an impact which *no* hydrant could resist, its Safety Breakable Section parts cleanly, protecting the major and expensive parts of the hydrant from damage. There is no flooding — the water service need not be turned off while awaiting or making repairs — replacement parts cost only $6.00 — and the hydrant can be returned to service by one man within half an hour and without excavating.

This unique feature and the many other SAFETOP advantages which have won the enthusiastic approval of water department superintendents all over the country are fully explained in bulletin which will be sent on request. Write for your copy today.

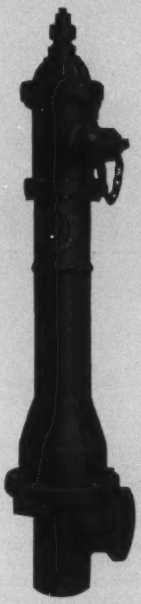
The Kennedy Valve Mfg. Co.
Elmira, N. Y.

KENNEDY SAFETOP FIRE HYDRANT

REG. U.S. PAT. OFF.

EDDY

Valves and Hydrants



Distinctive Features of the EDDY Valves

ONLY three parts are moved by the Stem—the ball and the two gates. Each gate is hung from one of the trunnions on the ball. A convex surface at the base of each trunnion fits a concave surface on the back of the gate. This allows the gates to adjust themselves properly to their seats. . . . The gates, being free to revolve on the trunnions, do not always seat in the same position. Gates are center bearing and adjustable. They are forced to their seats with equal pressure at all points. There are two hooks on the ball on sizes 4-inch and larger, which loosely engage with the gates.

Distinctive Features of Our New Swivel Top Hydrants

THIS new hydrant has all the advantages of the popular EDDY fire hydrant, plus several additional features. . . . Nozzles are in a short flanged section of the standpipe, which may be unbolted and turned to different positions. . . . Should the standpipe be broken, only the casting below the swivel head need be replaced. . . . To raise the hydrant to conform to a new grading, simply insert a flanged extension piece below the swivelhead. No digging. To add a steamer nozzle at any time, it is only necessary to replace the swivel head with one having a steamer nozzle.

Besides valves and hydrants to meet the most exacting demands of waterworks service, the complete EDDY Line includes: valves for sewage disposal works; valves for steam, gas and oil; check valves, foot valves, plug valves, shear gates, indicator posts, etc. EDDY valves are made in three classes: Iron Body Bronze Mounted, All Bronze, and All Iron Valves.

Eddy Valve Co.

WATERFORD NEW YORK

WHEN LAYING WATER MAINS TODAY . . .

Remember that joints caulked with lead are soft and flexible . . . take up normal pipe movement without leakage . . . stay tighter longer.

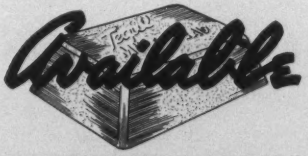
Remember, too, that there is no current shortage of lead . . . no ruling which prohibits the use of lead for caulking purposes.

We furnish lead either in ingot form for cast joints or as lead wool for cold caulking. Both carry the Lead Industries Association Seal of Approval—a guarantee of their purity.

National-Boston Lead Company

900 ALBANY STREET **BOSTON, MASS.**

INGOT LEAD — LEAD WOOL — LEAD PIPE
SOLDER — WHITE LEAD — RED LEAD

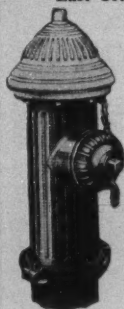


In addition to offering lower initial leakage and faster sealing, being proof against moisture and composition changes, having higher resistance to mechanical and thermal shock . . . . . *Tegul*-MINERALEAD is available quickly ■ One fifth the weight of lead, *Tegul*-MINERALEAD goes three times as far ■ If you're not already enjoying the sound economies afforded by this sulphur and Thiokol base compound, do yourself a good turn by sending for more information right now. Address The Atlas Mineral Products Company of Pa., at Mertztown, Pa.

Tegul-MINERALEAD

for Jointing Bell & Spigot Main

THE A. P. SMITH MFG. CO.,
East Orange, New Jersey



Manufacturers of high-grade specialties in connection with water and gas department work, consisting of—
Machines for inserting valves under pressure, and for making large right angle connections to mains under pressure, and for inserting house service connections under pressure.
Also makers of—
Pipe Cutting Machines, each size being adjustable for use on three different sizes of pipe.
High-grade water works supplies, such as Hydrants, Valves, Meters, Corporation Cocks, etc.
We also make a new type of hydrant which has a breakable joint at the ground line which when struck with an impediment will break at a specified point and only a coupling has to be used to repair the hydrant, which will be back in service in twenty (20) minutes.
"HYDRANT WITH BREAKABLE COUPLING"

SMITH
WATER WORKS SPECIALTIES & SUPPLIES
THE A.P.SMITH MFG.CO. *East Orange,N.J*

METER BOX COVERS

Ford Meter Box Covers are made in a variety of types and sizes for all conditions. Double-lid covers have air-space insulation and sloping skirts which cut down heat loss to a minimum. Single lid covers have overlapping or inset lids and are made in several depths and lid sizes. All Ford Covers have the Lifter Worm Lock and are made to give a lifetime of satisfaction. Write for our catalog of better equipment for water meter setting and testing.

FORD METER BOX CO.,
WABASH, IND.

DONALDSON IRON CO.

MANUFACTURERS
. . . OF . . .

CAST IRON PIPE

. . . AND . . .

Special Castings for Water and Gas
Also Flange Pipe and Fittings

EMMAUS, LEHIGH COUNTY, PA.

New York Office: E. A. NOONAN, 225 Broadway

TIME OUT!
YES, we know you're busy—and we are too. Every minute is precious. But we're stopping just long enough to tell you how much we appreciate your patronage and good will. All through the year we have been telling you about our good products—and they are good—the best in their respective fields—and now we take "time out" to say, "Our Best Wishes to you for a pleasant holiday season"—and we earnestly hope —"A Victorious New Year."
COPPER • BRASS • LEAD • IRON
HAYS Water Works PRODUCTS
HAYS MFG. CO., ERIE, PA. • Since 1869

PUMPS BY MORRIS

. . . These three words explain the dependable service and low operating and maintenance costs in hundreds of municipal pumping stations all over the country . . . many in New England.

The reasons? . . . 70 years of experience in building centrifugal pumps . . . an engineering department which has always pioneered in centrifugal pump advances of design and efficiency . . . a plant manned by craftsmen to whom each unit is a "special order."

For maximum efficiency and lasting reliability, investigate Morris designs of centrifugal pumps for municipal water supply . . . sewerage systems . . . storm water drainage . . . and general services. Bulletins on request.

MORRIS MACHINE WORKS

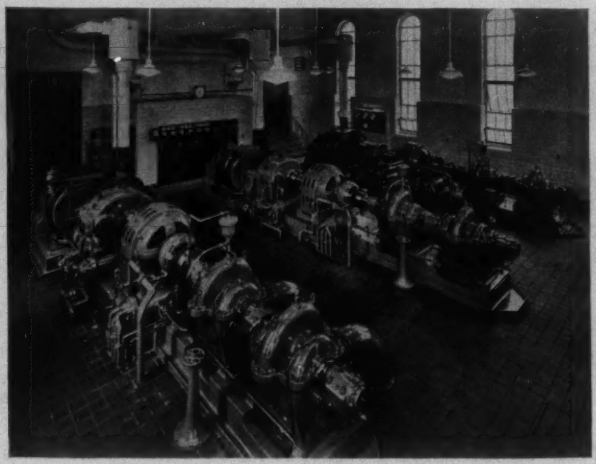
MORRIS
ESTABLISHED 1864

BALDWINSVILLE NEW YORK

CENTRIFUGAL PUMPS

DE LAVAL

CENTRIFUGAL WATER WORKS PUMPS



City of Newton, Mass. — Pumping Station

When we have won the war, such equipment as shown above will again be available to New England Water Works.

As Engineers and Contractors we hope to have the pleasure of supplying your requirements, at that time, as we have been doing for the past thirty-seven years.

(This is the first of a series of typical installation advertisements.)

TURBINE EQUIPMENT COMPANY OF NEW ENGLAND

80 Federal Street **Phone LIBerty 5993-5994** **Boston, Mass.**

New England Representatives for

DE LAVAL STEAM TURBINE COMPANY

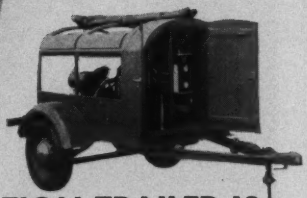
TRENTON, NEW JERSEY

WHATEVER THE *MAIN* EVENT

BOMB-DAMAGED MAINS

FLOOD-DAMAGED MAINS

NEWLY-INSTALLED MAINS



THIS W&T CHLORINATION TRAILER IS "Johnnie-on-the-spot"

When an emergency strikes—whatever the cause—it is vital that mains be restored to service as soon as possible free from contamination. Similarly, new main extensions require treatment before being opened to service. In any such event, the W&T Chlorination Trailer is *"Johnnie-on-the-spot"*. . . a real time-saver and possibly a life-saver too. It can be towed to the required location by any auto . . . and quickly hooked up to sterilize the main, or if necessary, the water supply flowing through it.

But emergeny service is only *part* of the job a W&T Chlorination Trailer can do. It will treat secondary chlorination needs away from the plant. It is built to take hard service. It has the wide range and accurate control of application rate made possible by the "visible vacuum" principle. SA-139-S

For full details, call or write your W&T representative.

"The Only Safe Water is a Sterilized Water"

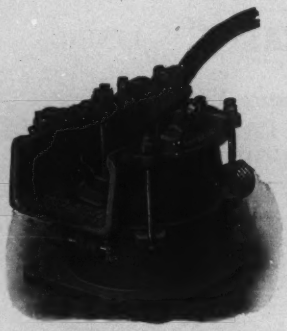
WALLACE & TIERNAN CO., Inc.

MANUFACTURERS OF CHLORINE AND AMMONIA CONTROL APPARATUS

NEWARK, NEW JERSEY • REPRESENTED IN PRINCIPAL CITIES

EDSON

PUMPS and ACCESSORIES



Hand Pumps – Power Pumps
Truck or Trailer Mounted
Edson Special Suction Hose
Red Seal Diaphragms
Edson Bronze Hydrant Pump
Strainers, Adapters, etc.

Distributors for
Pollard Pipe Line Equipment
Electric Pipe Thawers

Universal Pipe Locator
Universal Water Leak Detector

THE EDSON CORPORATION

49 D Street, Tel. SOUth Boston 3041 South Boston
New York: 142 Ashland Place, Brooklyn

Warren Foundry & Pipe Corp.

ALSO

Warren Pipe Co. of Mass., Inc.

SALES OFFICES
11 BROADWAY, NEW YORK
75 FEDERAL STREET, BOSTON, MASS.

Manufacturers of

CAST IRON PIPE

Flanged Pipe *Flexible Joint Pipe*
Bell and Spigot Pipe
Special Castings *Short Body B. & S. Specials*
Warren (WF) Spun Centrifugally Cast Iron Pipe

WORKS: PHILLIPSBURG, N. J. and EVERETT, MASS.

Large Stock Enables Us to Make Prompt Shipments

For an Extremely Smooth Pipe Interior
SPECIFY

SPUN **BITUMASTIC** LINING
REG. U.S. PAT. OFF.

This Will Assure You of
NO LOSS IN CAPACITY
NO TUBERCULATION OR INCRUSTATION
NO EFFECT ON WATER QUALITY

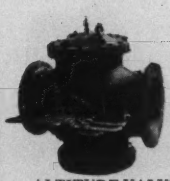
Recent Repeat Flow Test Shows High Williams Hazen Coefficient Unchanged After EIGHT YEARS

Wailes Dove-Hermiston Corporation

General Offices: Westfield, N. J.
New York District Office: 17 Battery Place, N. Y. C.

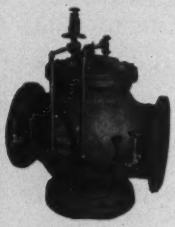
1879—ROSS— 1879

AUTOMATIC VALVES



Controls elevation of water in tanks, basins and reservoirs

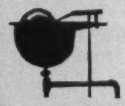
ALTITUDE VALVE
1. Single Acting
2. Double Acting

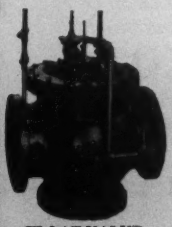


Maintains desired discharge pressure regardless of change in rate of flow

REDUCING VALVE

Regulates pressures in gravity and pump systems; between reservoirs and zones of different pressures, etc.





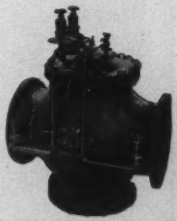
Maintains levels in tank, reservoir or basin

1. As direct acting

2. Pilot operated and with float traveling between two stops, for upper and lower limit of water elevation.

FLOAT VALVE

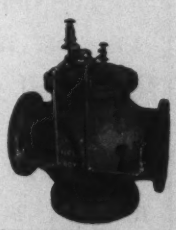
A self contained unit, with three or more automatic controls



COMBINATION VALVE

Combination automatic control both directions through the valve.

Maintains safe operating pressures for conduits, distribution and pump discharge



SURGE-RELIEF VALVE

Electric remote control—solenoid or motor can be furnished

REMOTE CONTROL VALVE

Adapted for use as primary or secondary control on any of the hydraulically controlled or operated valves.

ROSS VALVE MFG. CO., INC. Box 592 TROY, N. Y.

Fig. 238

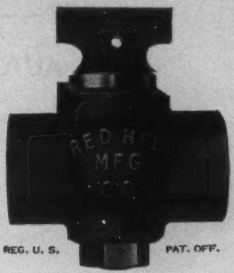


Fig. 222

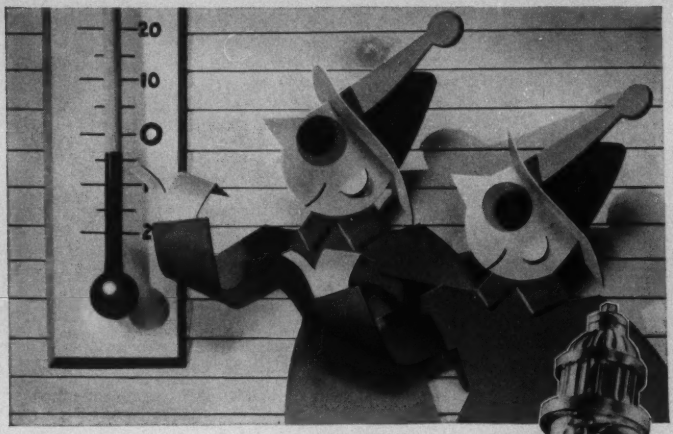
DUE TO EXISTING CONDITIONS WE ARE UNABLE TO FURNISH CERTAIN RED HED BRASS GOODS. WE ARE, HOWEVER, PERMITTED TO FURNISH RED HED CORPORATIONS AND CURB STOPS, UNDER PROPER PRIORITY RATINGS RECEIVED FROM THE PURCHASER. WHEN CONDITIONS RETURN TO NORMAL, WE SHALL AGAIN BE IN POSITION TO SUPPLY OUR CUSTOMERS PROPERLY.

RED HED MFG. CO.

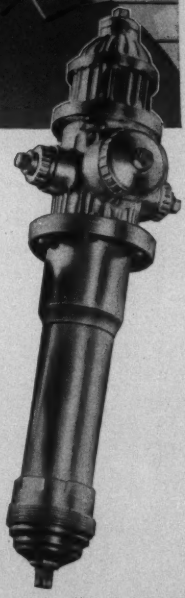
Manufacturers of

RED HED Brass Goods for Water Works

368 Congress Street Boston, Mass.



WELL, IT CAN'T GO LOW ENOUGH TO FREEZE OUR MATHEWS HYDRANTS



Guard against a poor fire record this winter. Make-shift heating will mean trouble with every cold snap. That's bad, but fires combined with frozen hydrants would be even worse. That's why Mathews-protected communities are lucky. A properly set Mathews Hydrant can't freeze. The heave of frozen ground cannot strain or break it. Its drainage is complete and automatic. Its threads are sealed in a dry operating chamber. And, being as replaceable as a spare tire, it need never be dug up through frozen ground in case of traffic accident. "Frost-proof" is the word for Mathews.

MATHEWS HYDRANTS

400 CHESTNUT STREET, PHILADELPHIA, PA.

ESTABLISHED IN 1803

Made by R. D. WOOD Company

MANUFACTURERS OF SAND SPUN PIPE (CENTRIFUGALLY CAST IN SAND MOLDS) AND R. D. WOOD GATE VALVES

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